PROLiNK®
www.prolink2u.com

MODEL NO:
PIC1006WN

User's Manual

Wireless IP Camera
Version 1.00
(English)

BEFORE GETTING STARTED

This UM is designed to aid you to get started with the device. If you experience problems following these guides or need further information pertaining to the device, please visit our website at ***www.prolink2u.com***. All specifications are subject to the manufacturer's configuration at the time of shipping and may change without prior notice, written or otherwise.

Table of Contents

Table of Contents 1
1. Introduction 1
1.1. The Differences 1
2. Installation & Setup 2
2.1. Hardware Overview 2
2.2. Quick Installation and Usage 3
2.2.1. First, Connect the IP CAM to the home/office network 3
2.2.2. Second, Install the LiveView Software on the notebook/PC 3
2.2.3. Third, Use LiveView program to see the video 4
2.2.4. Seeing the video in a remote location 4
2.3. Wireless Connection 5
2.3.1. First, set the WiFi security settings on the web configuration page. 5
2.3.2. Second, test if the WiFi settings are correct 5
2.3.3. Third, unplug the Ethernet cable 6
3. Web Configurations 7
3.1. Information 8
3.2. Video Display 9
3.3. Network 10
3.4. WiFi Security 12
3.5. Advanced Network 15
3.6. Video Settings 16
3.7. Mobile Video Settings 18
3.8. Night Mode Control 19
3.9. Email/Ftp Alarm 20
3.10. Speaker Alarm Settings 22
3.11. NAS Settings 22
3.12. SD-Card Settings 24
3.13. Scheduling 26
3.14. LED Control 27
3.15. Date/Time 27
3.16. Admin 27
3.17. Upgrade 29
3.18. Reboot 30
3.19. Safe Mode 31
3.20. Set To Factory Default 32
4. Features & Specifications 33
4.1. Features 33
4.2. Specifications 33
5. Package Contents 35
Appendix A. List of Tested NAT/Router Devices 36
Appendix B. Maximum Allowed Video Users 37
Appendix C. Performance Information 38
Appendix D. Troubleshooting 39
Worldwide Customer Care Centers 46

1. Introduction

The ***PROLiNK® PIC1006WN Wireless IP Camera*** (will be referred to as "*IP Camera*" for the entire document) is designed with the "user-friendly" idea deep in mind. The user can install the IP Camera easily on his/her home network and then access the IP Camera anywhere in the world through the accompanied video management software - LiveView program without setting some complicated DNS name or changing the router's settings. It's just a plug & play action.

With 3GPP/ISMA support, users can see the video of the IP camera on any 3G mobile phone anywhere, anytime. The big difference is that there is software for downloading to the mobile phone so that the fixed IP address is not needed for the IP camera. The video settings including frame rate, resolution and bandwidth could be different for PC monitoring and mobile viewing.

For indoor surveillance and remote monitoring, the IP Camera provides the best image quality in its class, and excellent performance. The IP Camera also provides the best bandwidth efficiency, it offers 640x480 resolutions, 30 fps frame rate, real MPEG4 image compression ability. The built-in microphone enables remote users to not only view, but also listen for additional monitoring options.

The NAS storage function can easily turn any NAS device to a NVR device. The schedule function provides full scheduling of email/ftp sending, motion detection and NAS recording event. With the built-in Web server, the IP Camera can also be managed from a standard web browser on a Windows computer.

With the very low light sensitive video sensor and IR LEDs, the IP Camera can work day and night, satisfying all home security and indoor surveillance needs. With the motor controlled IR-cut filter, the day-time video quality is not affected.

The IP Cam provides both wireless IEEE 802.11 b/g and wired Ethernet network interfaces for flexible installation. It supports the WEP and WPA (Wi-Fi Protected Access) security modes to provide the best security for wireless networks. (IP Cam model only support wired Ethernet interface)

The IP Camera provides motion detection function. Users can easily setup this function and receive the notification with the snapshot images through email and/or ftp when some motion events are detected.

The IP Camera is ideal for securing small businesses, home offices and residences over a local area network and/or the Internet.

1.1. The Differences

It's very easy to see the video of the IP Camera, you only need to key in the ID/Password of the IP CAM anywhere in the world, and you DO NOT need to remember the IP address or domain name or DDNS name or port number. And you do not need to modify the settings (like port mapping, fixed IP, DDNS, virtual server) of the NAT/router devices, it's just a plug & play usage.

2. Installation & Setup

The *IP Camera* is designed to be very easy to install and use. First, let's see the major components of the *IP Camera* products.

2.1. Hardware Overview

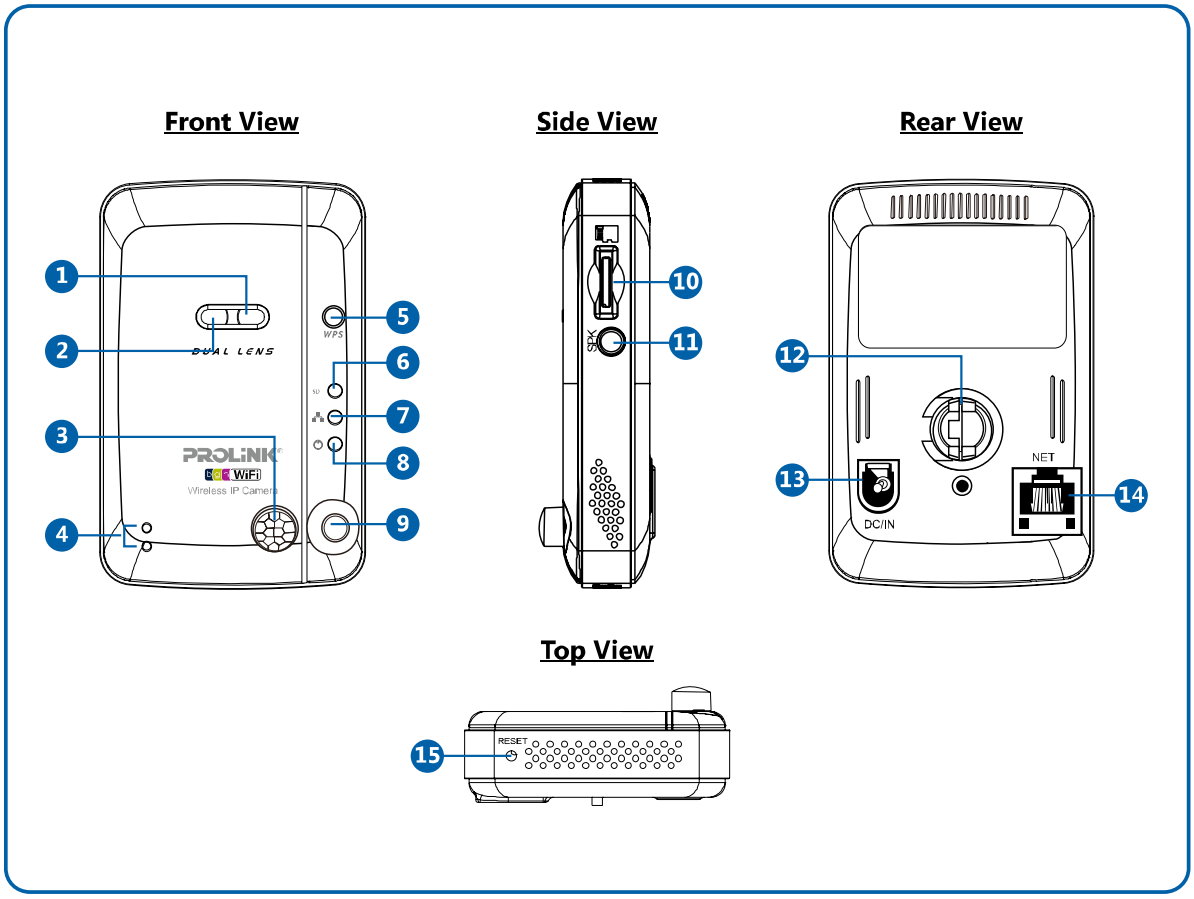


Figure 2-1: *IP Camera* Hardware Overview

1. Night Time Lens
2. Day Time Lens
3. PIR
4. Microphone
5. WPS Button
6. Micro-SD Card Indicator
7. Ethernet Indicator
   - Off : No Ethernet connection
   - Constant : Ethernet connection
   - Blinking : Data sending/receiving
8. Status Indicator
   - Off : No Internet connection
   - Constant : Internet connection
   - Blinking : Any Internet connection problem
9. IR LED
10. Micro-SD Card Slot
11. Speaker Jack
12. Bracket Screw Jack
13. Power Jack
14. Ethernet Jack
15. Reset Button

2.2. Quick Installation and Usage

There are only three things that you need to do to see the video from the *IP Camera*.

1. Connect the *IP Camera* to the home/office network.
2. Install the *LiveView Software* on the notebook/PC.
3. Key in the ID/password of the *IP Camera* on the LiveView, and then you can see the video.

2.2.1. First, Connect the IP CAM to the home/office network

Please connect the *IP Camera* accessories to the *IP Camera* body correctly, including the power adapter and Ethernet cable. And connect the other end of the Ethernet cable to the home network or office network. Usually, this Ethernet cable is plugged into a home NAT/router device or an Ethernet switch if in the office (as shown in Figure 2-2). Since the default settings of the *IP Camera* use DHCP function and very often there is a DHCP server on most of the Home/office network, the *IP Camera* should be connected to the Internet immediately. The Internet status LED is constant red light to indicate this good connection status. If the LED is blinking, please refer to section 3.3~3.5 to try other network settings.

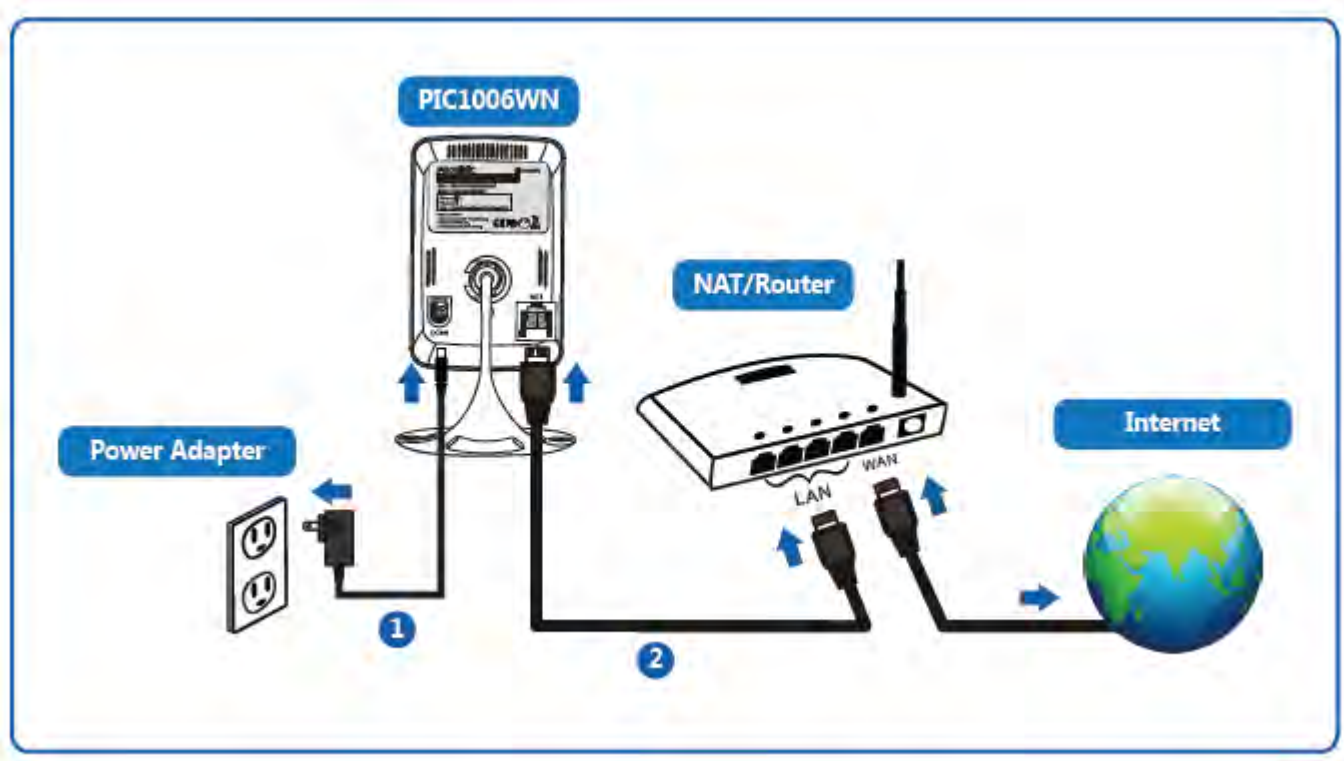


Figure 2-2: Connect Ethernet cable to a switch/router.

2.2.2. Second, Install the LiveView Software on the notebook/PC

Please insert the installation CD into the CD-ROM drive in your notebook or personal computer (must be running Microsoft Windows OS). Execute the program LiveViewInstaller-xxx.exe on the disk. The program will pop-up some windows about the installation options, please press the "next" button to proceed with the installation. After the installation is complete, there will be a LiveView icon on the desktop of your computer screen, please execute this icon. The LiveView program will run immediately.

Figure 2-3: Setup CD

2.2.3. Third, Use LiveView program to see the video

If the computer and *IP Camera* are connected to the same network, the *IP Camera* ID will be displayed in the "Auto Search" list. You can double click the "Auto Search" to search all the connected *IP Camera*s any time. The only thing left right now for seeing the video is to double click the *IP Camera* ID item in the "Auto Search" list. For example, if the *IP Camera* ID is 001-001-029, you can then double click the 001001029 item in the "Auto Search" list to view the video. A window asking for password input will pop up. Please key-in the password into this field and click "ok". The video will then be displayed on the window. Password can be retrieved from label located at rear of the *IP Camera* as shown in Figure 2-4.

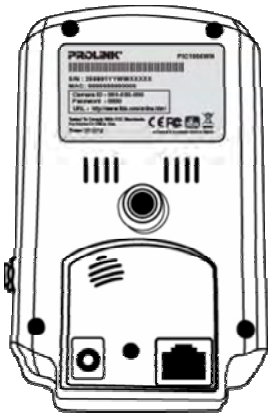


Figure 2-4: Camera ID & Password

Notice

1. *You can modify this play-video password by entering into the web configuration pages. Please refer to section 3.6 for more information.*
2. *You can also add the IP Camera into the CameraList in the LiveView Software to have more convenient video display, please refer to the user manual of the LiveView Software for more functions.*

2.2.4. Seeing the video in a remote location

After the *IP Camera* is installed and you can see the video from the *LiveView Software* in the local network, it's very easy to see the video in a remote location. All you need to do is add a camera item in the "CameraList" folder of the *LiveView Software*; key in the *IP Camera* ID and Password (refer to 2.2.3 for Camera ID and Password). And then double click this camera item. You will then see the Camera video immediately. No further NAT/router setting modifications are needed.

Figure 2-5: LiveView Software User Interface

Figure 2-6: Pop-up play-video password window

2.3. Wireless Connection

The *IP Camera* can also be connected to the home/office network through the 802.11 b/g/n wireless connection. There are only three things that you need to do to have the wireless connection:

1. Set the WiFi security settings on the web configuration page.
2. Test if the WiFi settings are correct.
3. Unplug the Ethernet cable.

2.3.1. First, set the WiFi security settings on the web configuration page.

Make sure there is a WiFi AP/router on your home/office network. Write down the WiFi security parameters used in this WiFi AP/router, including the SSID, security mode, encryption protocols and the "key" values. The supported WiFi security mode of the *IP Camera* is WEP (64 bits and 128 bits) and WPA-PSK (TKIP and AES). In most of the home/office WiFi environment, this is quite enough.

The easiest way to set the WiFi settings on the *IP Camera* is through *LiveView Software*. Right-click the searched *IP Camera* in the "Auto Search" list and click the "Web Configure" to open the login window of the *IP Camera*. Fill in all the WiFi security parameters you have written down. The WiFi configuration is complete now.

Please refer to section 3.4 for more detailed description if needed.

2.3.2. Second, test if the WiFi settings are correct

You can now test if the above WiFi settings are correct. Click the "WiFi test" on the "WiFi Security" settings web page. The testing result will be displayed in less than 60 seconds. If the test is failed, please check the WiFi security parameters and test again.

2.3.3. *Third, unplug the Ethernet cable*

If the WiFi test is successful, you can then enable the WiFi connection by unplugging the Ethernet cable from the *IP Camera*. The *IP Camera* will detect the Ethernet cable unplugged condition and start the WiFi connection. After the WiFi is connected, the *IP Camera* will connect to the Internet immediately.

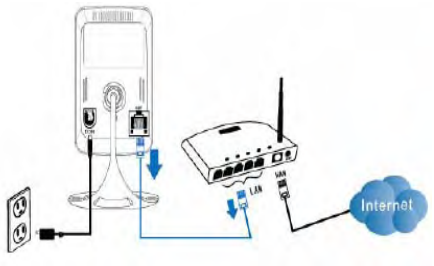


Figure 2-7: Unplug the Ethernet cable to enable the WiFi function

Notice

1. *Please remember that the WiFi connection will use a different IP address, you will need to do the "Auto Search" function in the LiveView again to find the IP Camera again after the WiFi is connected.*
2. *If you want to switch back to the wired Ethernet connection, just plug in the Ethernet cable into the IP Camera again. Do not need to disable the WiFi function on the web pages.*

3. Web Configurations

You can login into the web configuration page by directly key-in the IP address of the *IP Camera* or right-click the searched *IP Camera* in the "Auto Search" list of the *LiveView Software* and click the "Web Configure" to open the login window of the *IP Camera*.

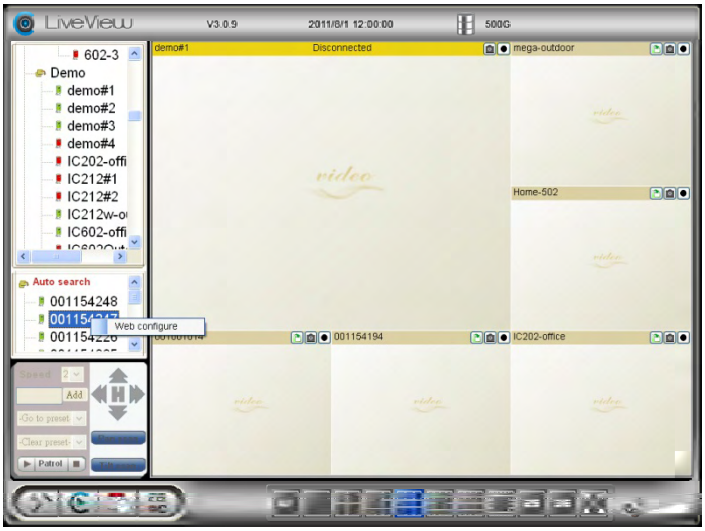


Figure 3-1: Open the web configuration page from *LiveView Software*

The default login account is "admin", leave the Password field empty.

Windows Security
The server 192.168.42.88 at . requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
admin
Password
Remember my credentials
OK
Cancel

Figure 3-2: *IP Camera* Web configuration login page

3.1. *Information*

The first page of the web configuration of the *IP Camera* is the information page. You can see the model name/firmware version, *IP Camera* ID, registration status, network type and current video settings (bandwidth, resolution) in this page.

The *IP Camera* can be viewed remotely by the *LiveView Software* only when the *IP Camera* is registered. If this *IP Camera* is not registered, please check the Ethernet wiring of your network environment. The "Network type" field displays the network connection (wired or wireless) and method (DHCP, PPPoE or static IP) the *IP Camera* is running. The "Video users" field displays the number of connected video viewing users.

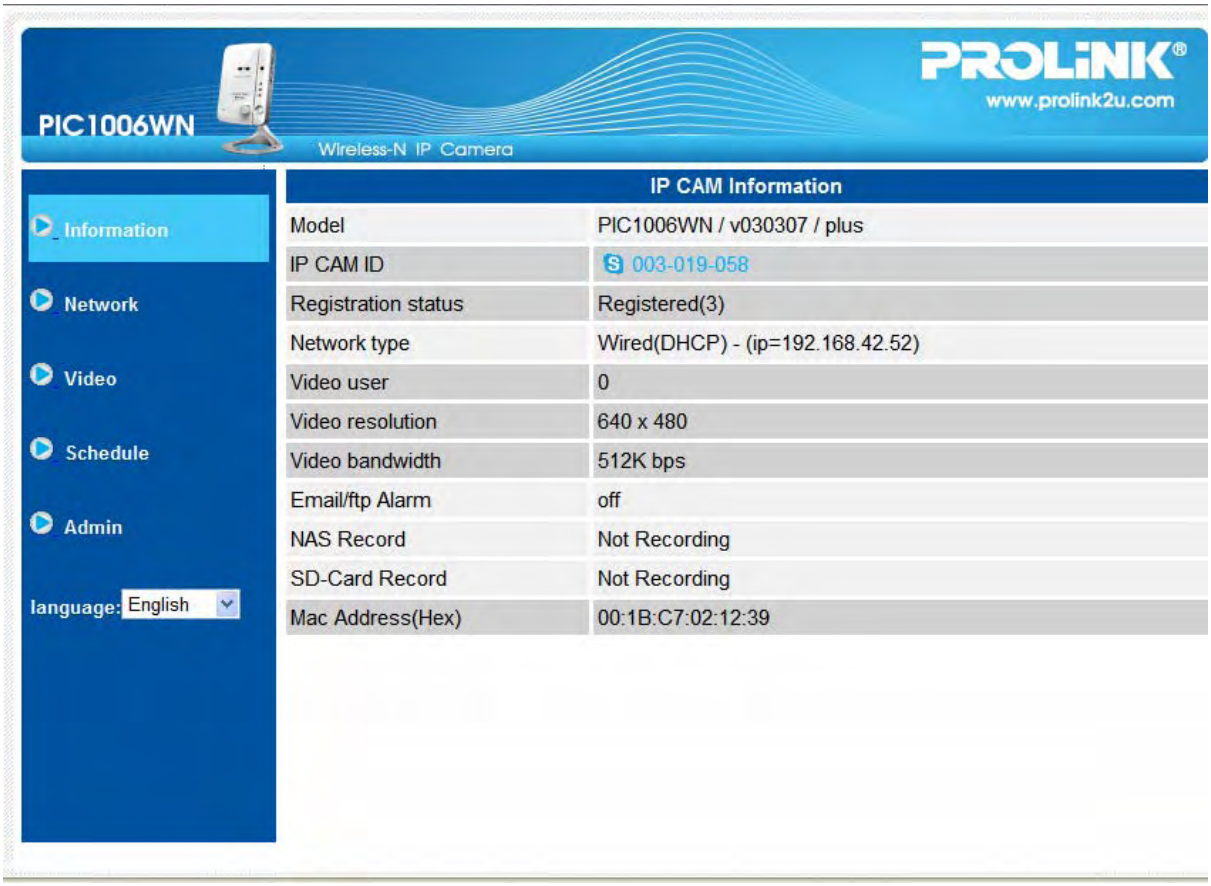


Figure 3-3: *IP Camera* Information page

3.2. Video Display

This display page allows you to view the video display and control the pan/tilt movement of the *IP Camera*. For the first time use of this display on a computer, an ActiveX component will be automatically downloaded into the browser. This could take some time, depends on the internet speed. The component is downloaded from a public domain, so that the computer must be connected to the Internet.

If you want to modify the video display screen size, please refer to section 3.6 for more details.

Figure 3-4: Video display page

3.3. Network

The Network page allows you to modify the network settings of the wired Ethernet. The default settings use DHCP to obtain an IP address automatically. In most of the home and office network environment, there is a DHCP server running. In this situation, by using these default settings, the *IP Camera* can work immediately in most of the time.

If the Ethernet cable is unplugged, the *IP Camera* will lose connection. But as soon as the Ethernet cable is plugged in again, the *IP Camera* will obtain a new IP address immediately.

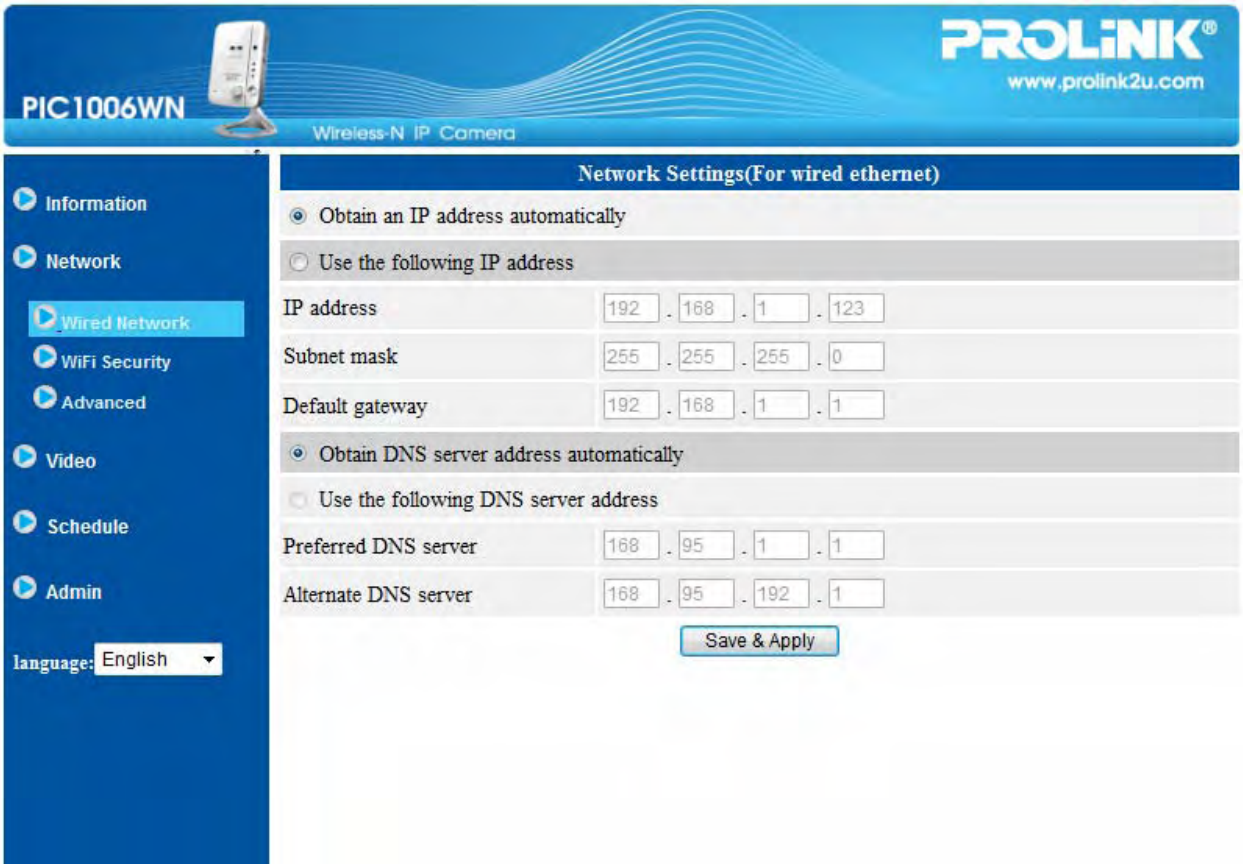


Figure 3-5: Network settings page for DHCP function

If the network environment does not support DHCP function, you will need to set the network settings of the *IP Camera* manually. Please fill all the fields including "IP address", "Subnet mask", "Default gateway" and "DNS server" to let the network work. All these settings must be correct for your network environment, otherwise the *IP Camera* cannot work.

The default setting is "Obtain an IP address automatically".

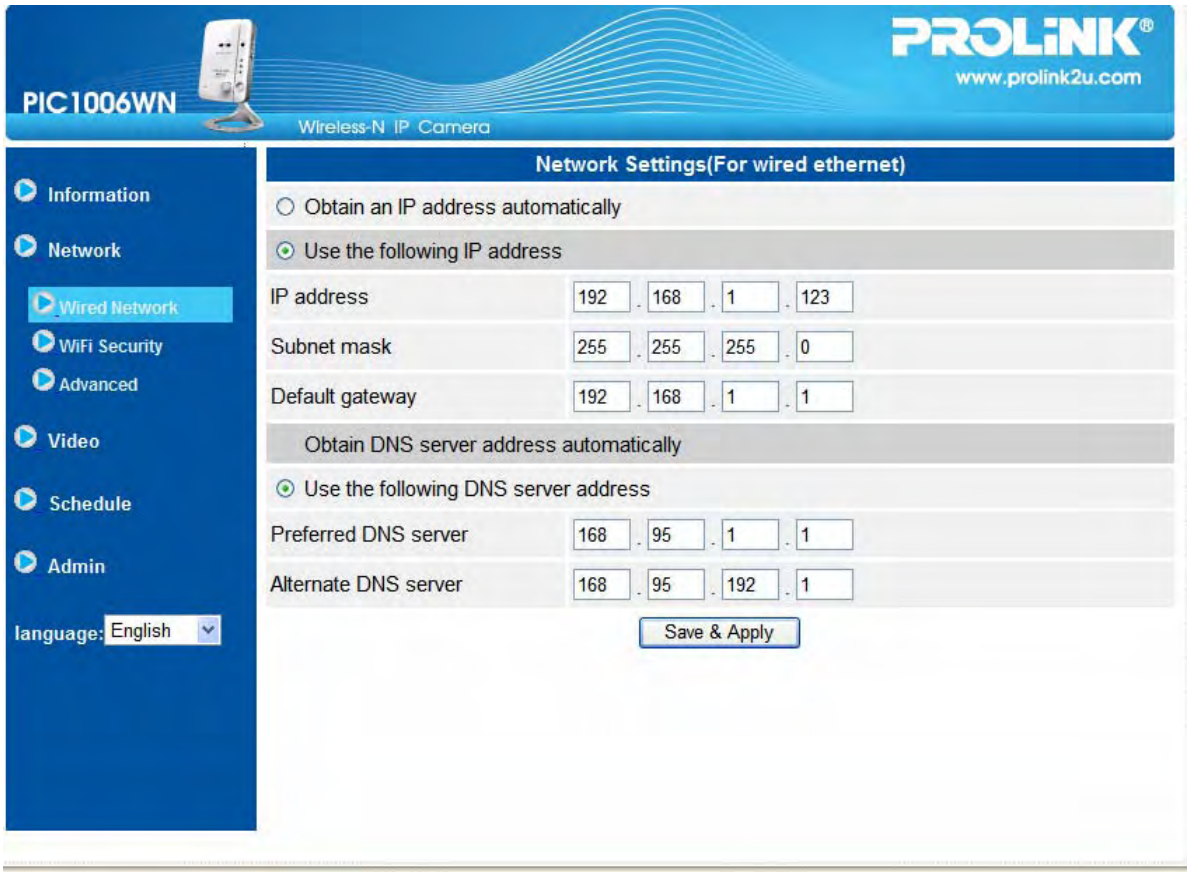


Figure 3-6: Network settings page for fixed IP address

3.4. *WiFi Security*

You can use the wireless to connect the *IP Camera* to the network. If your network environment has an 802.11 b/g router or AP running, you can check the "Enable WiFi function" button to use the wireless.

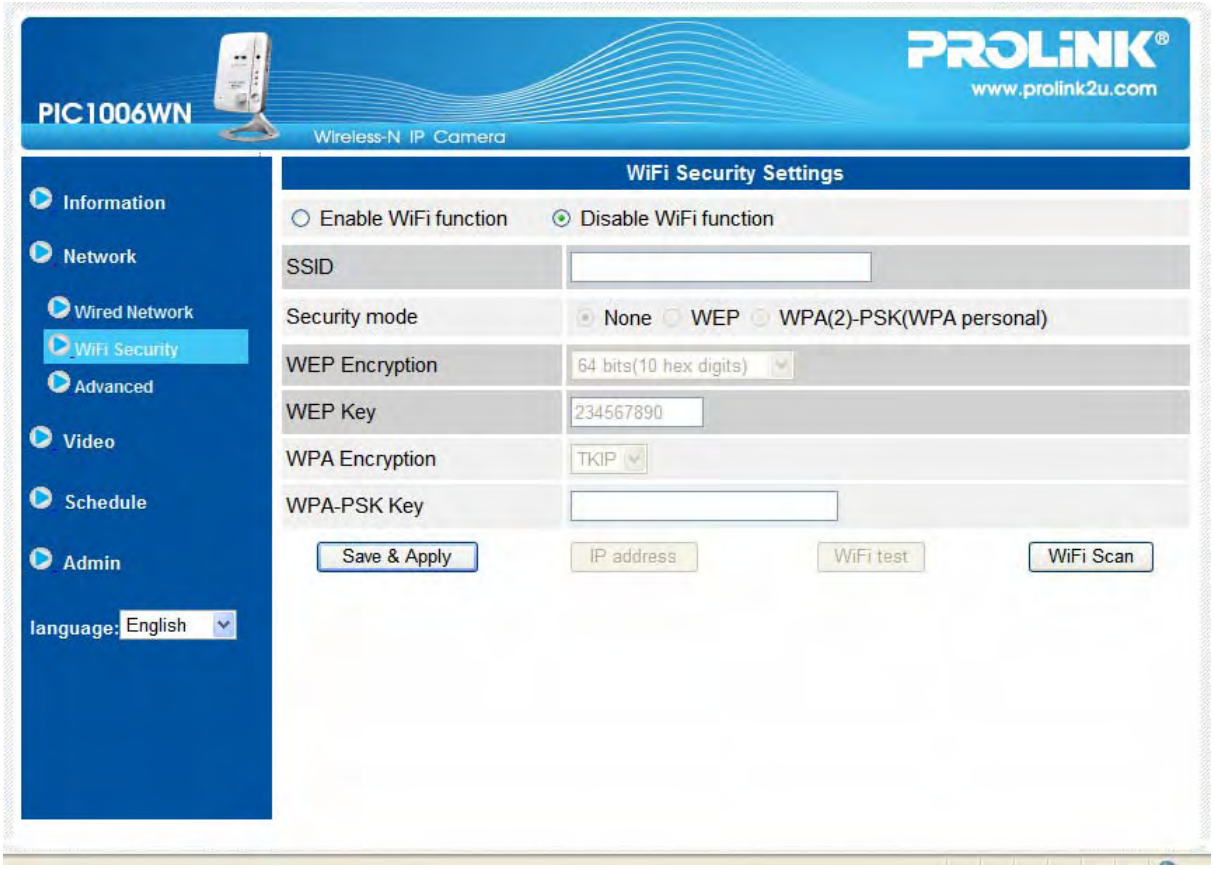


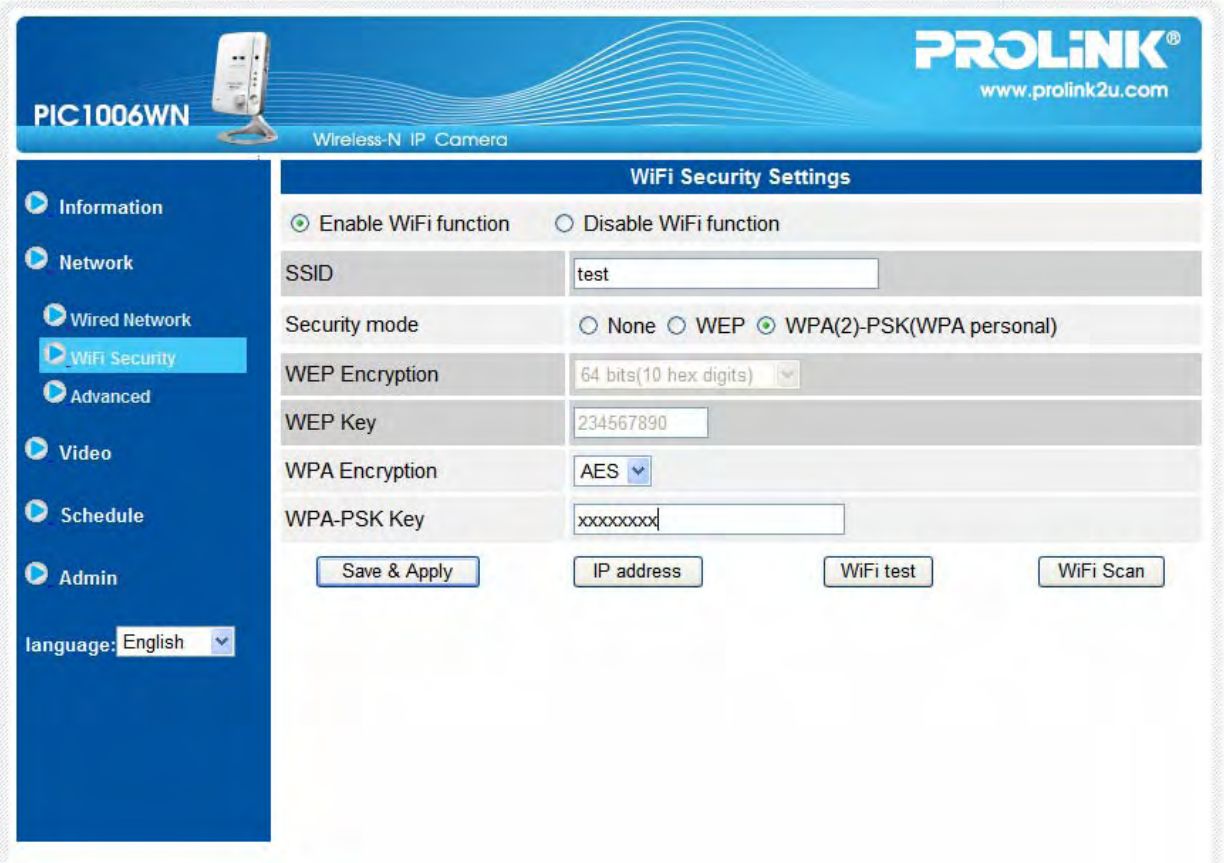
Figure 3-7: WiFi security disabled page

In order to use the wireless network, you need to fill the following fields:

1. SSID – this is the ID of the wireless router or AP of your wireless network environment, must be set correctly.
2. Security mode – this is the security mode used in the wireless router or AP. Need to choose one of the three modes – None, WEP and WPA-PSK.
   - WEP: Wireless Encryption Protocol.
   - WPA: WiFi Protected Access.
   - PSK: Pre-Shared Key.
   - TKIP: Temporal Key Integrity Protocol.
   - AES: Advanced Encryption Standard.
3. WEP mode – when the WEP mode is chosen, you need also choose between 64-bit (5 char), 64-bit (10 hex), 128-bit (13 char) and 128-bit (26 hex) encryption mode, and then fill the WEP key correctly.
4. WPA-PSK mode - when the WPA-PSK mode is chosen, you need also choose between TKIP and AES encryption mode, and then fill the WPA-PSK key correctly. WPA2-PSK is also supported. But WPA Enterprise or WPA2 Enterprise is not supported.

All the fields in this page must be filled correctly with the same settings the wireless router or AP using.

Figure 3-8: WiFi security enabled page



You can click the "WiFi test" button to check if the *IP Camera* can connect to the wireless network for these settings. You will need to unplug the Ethernet cable to enable the wireless connection after the "WiFi test" is successful.

You can click the "WiFi scan" button to scan for all the available access points nearby.

If you want to define fixed IP address when using WiFi connection, please press the "IP address" button and key in your preferred IP address.

After the setting and "Save & Apply", do not need to restart the *IP Camera* to let the WiFi work, only need to unplug the Ethernet cable.

The default setting is "Disable WiFi Function".

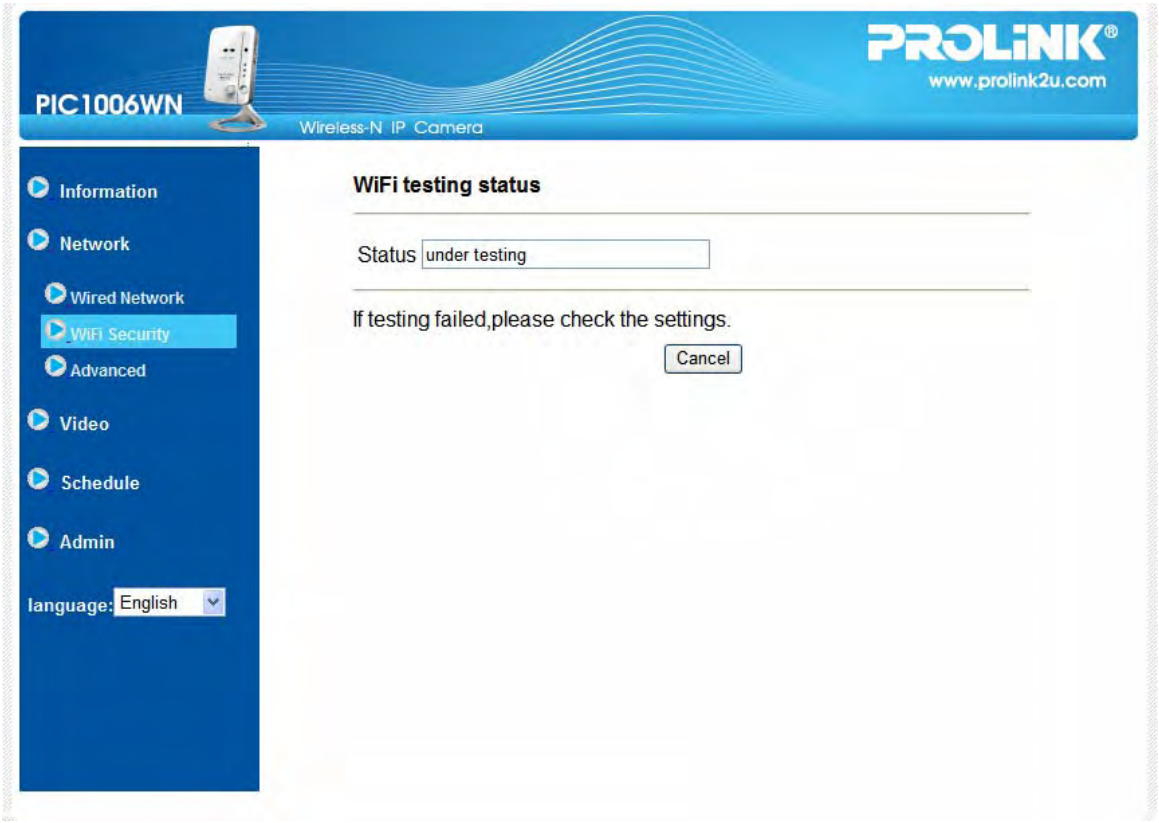


Figure 3-9: WiFi testing page

3.5. *Advanced Network*

In some special situation, your network environment only provides PPPoE connection (ADSL service); there is no NAT/router available. You will then need to set the PPPoE settings in the "Advanced Network" page. Only the PPPoE username and password are needed to let PPPoE work. After the "Save & Apply" button is pressed, the PPPoE function will work immediately. You can check the "Registration status" in the "Information" page to see if the *IP Camera* is registered using the PPPoE connection.

Please be noticed that the DHCP or static IP settings in the "Network" page can work together with the PPPoE connection. Only that the PPPoE has higher priority, so, if the PPPoE is working, the *IP Camera* will use PPPoE to connect to the Internet.

The default setting is "Disable PPPoE".

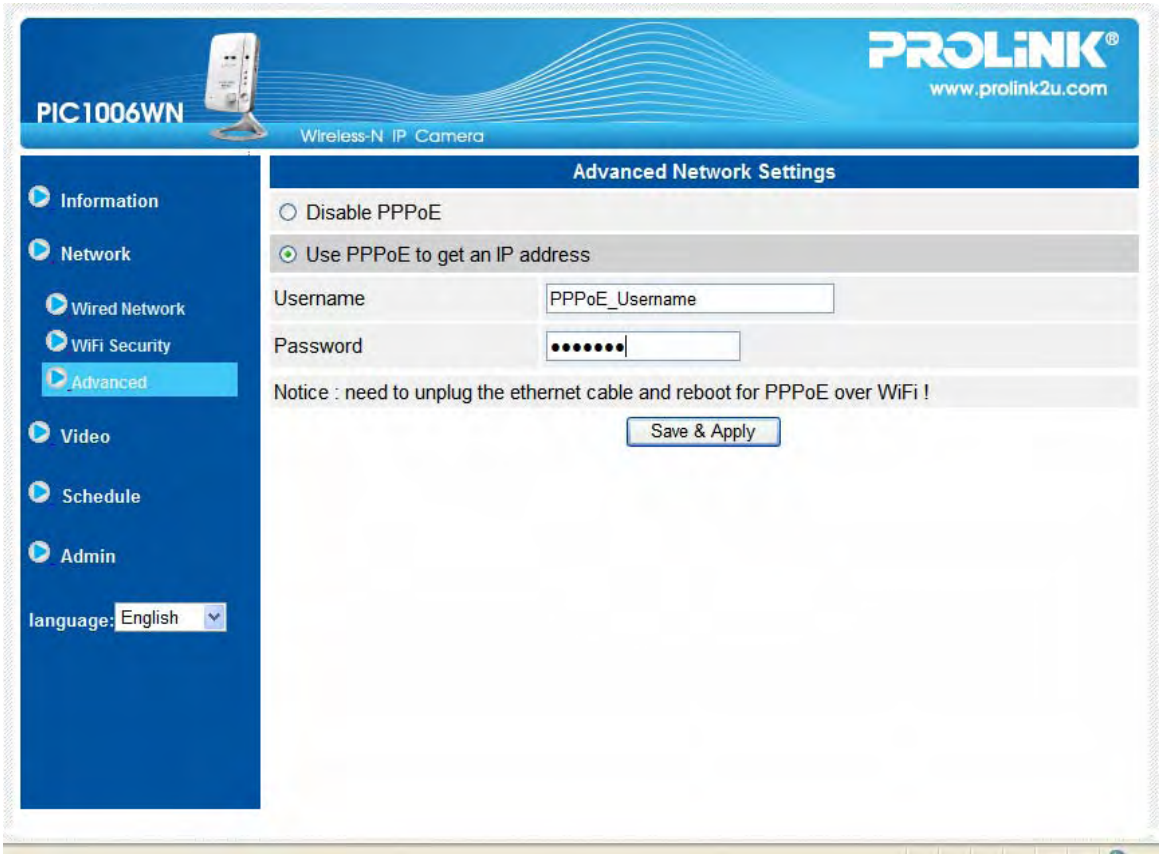


Figure 3-10: Advanced network settings page

3.6. Video Settings

The *IP Camera* is designed to provide high quality video for viewing from *LiveView Software*. In this page, you can modify some settings related to the video viewing:

1. Password (play video) – this is the password needed for viewing the video from the *LiveView Software*. Together with the *IP Camera* ID, you can view the video of this *IP Camera* anywhere in the world through the Internet.
2. Internet speed – this is the Internet bandwidth of your network environment. Higher value will generate higher video quality. But if your internet connection cannot provide more bandwidth than the specified value, the video quality could degrade. So, please key in a value that is lower than your internet bandwidth.
3. Select resolution & frame rate automatically – you can let the system select the suitable video resolution and frame rate automatically for you. The selection is based on the "Internet speed" value. This is the recommended default setting.
4. Resolution – there are three choices: 160x120, 320x240 and 640x480. If you decide to choose the value manually, you can choose one of the three values. But, please be noticed that if the Internet speed is slow (low value), high resolution (640x480) or frame rate could cause very bad video quality.
5. Frame rate – the video frame display rate. Higher value means faster movement and continuity in the video display.
6. Favor/Preference – choose between "Video motion" and "Image quality". When the real bandwidth is not enough for the selected "Internet speed", the system will need to degrade the video motion or image quality. This selection will decide if the user want to maintain the "video motion" or "image quality" when the internet speed is not good enough.
7. Brightness – the brightness of the video, lower value means darker display.
8. Sharpness – the sharpness of the video, higher value means sharper video.
9. Low light sensitivity – The low light sensitivity could be normal, high or very high. When the low light sensitivity is high, the system could see better video clearance under low light situation, but the moving object will not be very clear under this low light environment. Under very dark environment, set to "very high" will get better video clearance. The default value of this setting is "high".
10. Video color – choose between "colored" and "black & white".
11. Video flip – can do "normal" or "flip" video display, this is needed if the *IP Camera* is hung on the ceiling or wall.
12. Outdoor/Indoor video – for better video display quality, modify this setting when taking indoor or outdoor video. The default setting is "Outdoor video", in most cases; this is also ok for indoor usage. Under some special cases, there could be some strip lines on the video display when the *IP Camera* is taking indoor video. In this situation, change the setting to "Indoor video" will solve the problem. Please also be noticed that in "Indoor video" setting, the video display of outdoor view is very vague. For indoor usage, if there is strong sun light into the room, please select the "Indoor + sun light" choice.
13. Enable/disable audio microphone – you can enable or disable the audio microphone on the *IP Camera*. If disable, there will be no voice on the LiveView video viewing.
14. Enable/disable time display on video – if enabled, the date/time of the system will be displayed on the left-upper corner of the video.

When this modification is "Save & Apply"-ed, it works immediately, but all the connected video viewing users will be disconnected.

Figure 3-11: Video settings page

3.7. Mobile Video Settings

The IP CAM is able to be viewed from a 3G mobile phone, please download "mLiveview"/"mLiveviewHD" software from App Store for iPhone/iPad and "mLiveview" from Android Market for Android Mobiles and pads..
The video frame rate, resolution and bandwidth for 3G mobile access could be set independently from the video settings for LiveView access. The maximum allowed resolution is 640x480 and maximum allowed bandwidth is 512 kbps.

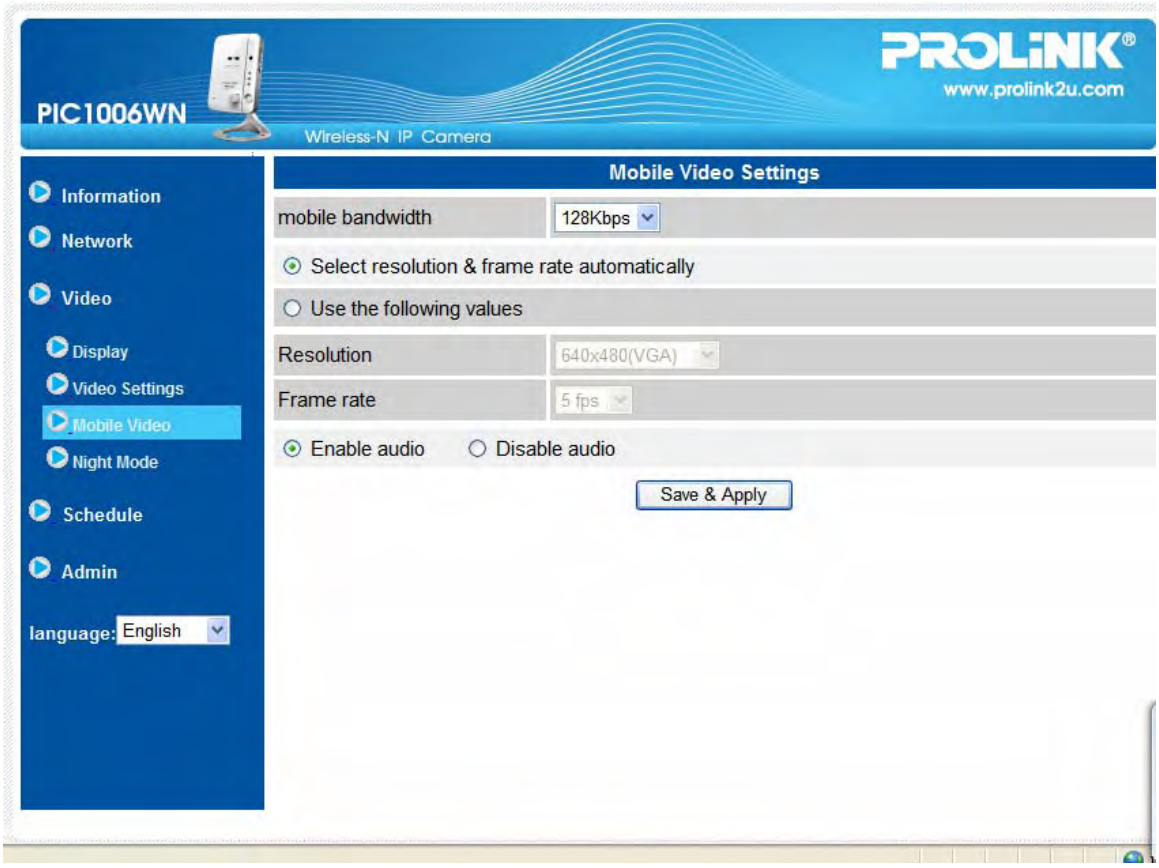


Figure 3-12: Mobile Video Settings page

3.8. Night Mode Control

The IP Cam is able to work both in day time and night time. There are some IR LEDs that can let the IP camera see the objects in the night time. This night mode control page is to control when the time the IR LEDs will be on. There are three ways to control the night mode (IR LEDs):

a) Automatic day and night mode switch: the IP cam will automatically turn on the IR LEDs when the night time is arrived or the environment is becoming dark. There is a light sensor on the IP cam that is doing this light detection.

b) Scheduled time of night mode: the IP Cam can also be scheduled to turn on the IR LEDs in a time range of each day.

c) Manual night mode control: the IP Cam can be manually forced to night mode(IR LEDs on) or day mode(IR LEDs off).

In order to get better video color display during day time and night time, there is an ICR(IR Cutter Remover) in the IP Cam. This ICR will be controlled automatically to filter out the IR(Infrared) light during the day time and allow the IR light to pass during the night time. This make sure the video color quality is excellent compared to other IP camera.

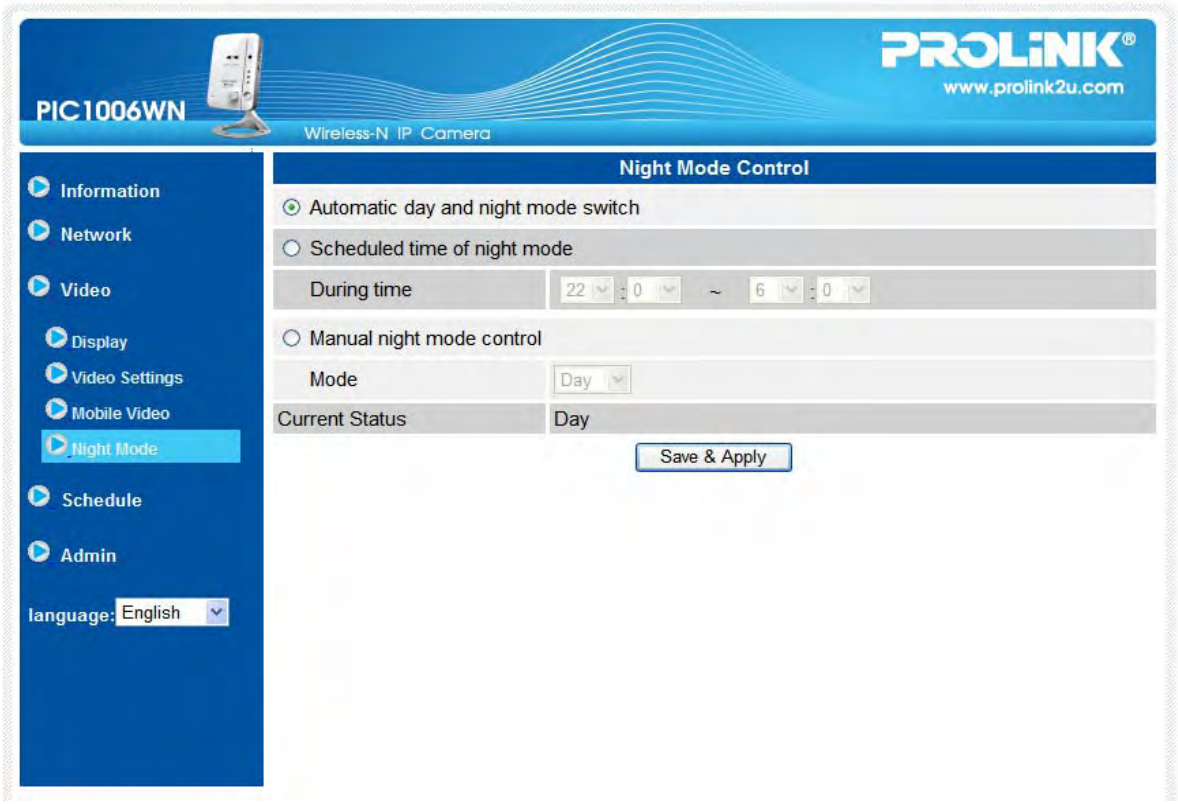


Figure 3-13: Night mode control page

3.9. Email/Ftp Alarm

The *IP Camera* provides the Email/ftp function, you can enable or schedule the Email/ftp ability in this page, the *IP Camera* will then send out an email with a jpeg picture attached in the email and/or send out the jpeg picture file to an ftp server. The related settings are explained below:

1. Email/FTP trigger – choose between "motion", "D/I", "schedule" and "disable"
   a) If "motion" is selected, it means that when there is a motion detected, the system will send out the email and/or ftp with the captured video snapshot.
   b) If "D/I" is selected, it means that when there is a Digital input alarm detected, the system will send out the email and/or ftp with the captured video snapshot. If the D/I alarm is constantly on, the *IP Camera* will keep sending out email/ftp message every second for up to 30 seconds.
   c) If "schedule" is selected, it means that the email/ftp alarm detection and triggering will be scheduled by the "scheduling" in section 3.12.
   d) "Disable" will disable the email/ftp alarm.
2. Motion sensitivity – there are three possible choices in this field.
   - "High" means high sensitivity, i.e., the motion detection is triggered by a very small movement in the video image. If "High" is selected and the size of the moving object is larger than about 1% of the whole video area, it is detected. Please be noticed that the real size of the object could be large or small, anyway, the detection is only based on the relative size of the object. Probably a small pencil moving near the *IP Camera* could be detected, but a moving car far away from the *IP Camera* could not be detected.
   - "Low" means low sensitivity, i.e., the motion detection is triggered by a very large movement. If the size of the moving object is larger than about 10% of the whole video area, it is detected. "Median" means 3% to trigger the detection.
3. Send email message – if this item is enabled, the *IP Camera* will send out an email message with the jpeg picture attached to the specified email account.
4. Email recipient – this is the email address to receive the detection notice message. An email message with the jpeg picture file named by the date/time of the triggered moment will reach this address.
5. Send FTP message – if this item is enabled, the *IP Camera* will send out a jpeg picture file to the specified ftp account.
6. FTP server – this is the FTP server address to receive the jpeg file.
7. FTP username/password – this is the username/password to login into the FTP server, so, this triggered jpeg file will be allowed to reach this FTP server.
8. Remote folder – the jpeg file will be put under this folder of the FTP server.

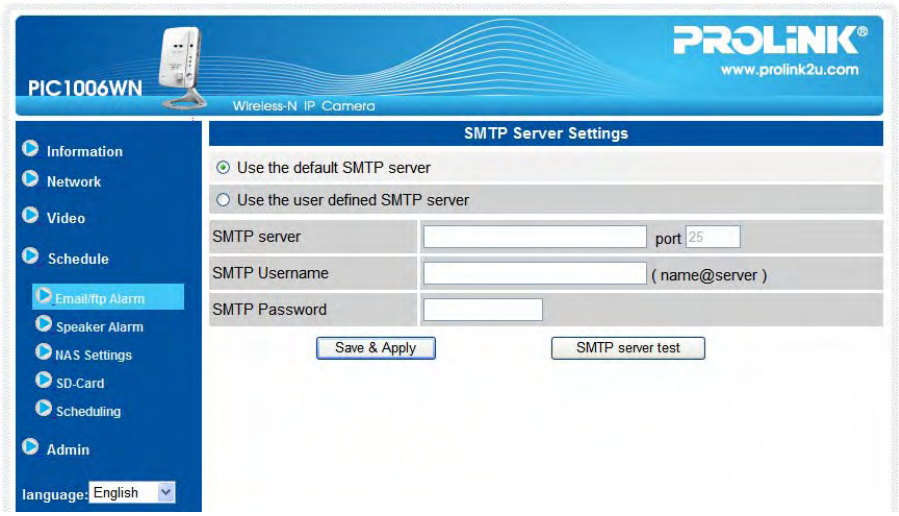
When this modification is "Save & Apply"-ed, it works immediately, but all the connected video viewing users will be disconnected.

The default setting is "Disable".

Figure 3-13: Email/FTP Alarm page

For the email message to work, a SMTP server is required. Click the "advanced" button will display the SMTP server settings page. A default SMTP server is provided, so that the user does not need to use a specific SMTP server. But, any way, the user could also specify his own SMTP server.

1. SMTP server – this is the SMTP server that will help to transfer the email message. This server is irrelevant to the "Email recipient" address.
2. SMTP username/password – this is the account to use the SMTP server to transfer the email message. The SMTP server and username/password account are only for transfer the email message to the "Email recipient", the "Email recipient" could be on another email server or any reachable email address. The username and password fields could be left empty if no authentication is needed for the SMTP server.
3. SMTP server test – after the settings are filled, you could press "SMTP server test" to check if all the settings are correct. If the default SMTP server is closed, it will test the default SMTP server.



3.10. Speaker Alarm Settings

The IP Camera provides speaker alarm function, a PIR or video motion detection could trigger the speaker alarm. The duration of the alarm could also be set. The related settings are explained below:

1. Speaker alarm trigger– select the trigger mode of the speaker alarm
    a. A. Motion trigger – if this is selected, the speaker alarm signal will be active when video motion is detected. The detection sensitivity is set In the "motion detection" page.
    b. B. PIR trigger – if this is selected, the speaker alarm will work when the PIR sensor is detected..
    c. C. Schedule – if this is selected, the speaker alarm is scheduled according to the settings of scheduling in section 3.13.
    d. D. Disable–disable the speaker alarm.
2. Alarm loop times – this is the number of the loop times of the speaker alarm.

3.11. NAS Settings

The *IP Camera* provides the recording of the video files into a standard NAS (Network Access Storage) device. The *IP Camera* connects to the NAS device using the standard LMX_NS/CIFS/SSN protocols that are the same as the Microsoft Windows network neighborhood protocols. This makes the *IP Camera* easily record the video files to all the standard NAS devices in the market. Since there are a lot of different choices, including prices and scales, users can decide by themselves which is best for their needs. By using this function, the standard NAS device is becoming a NVR (Network Video Recorder) device.

Notice

When the IP Camera is doing NAS recording, this is counted as one video user. Please refer to appendix B about allowed maximum video users.

1. If the "Always Recording" is selected, the system will start to record to the NAS storage device immediately and keep recording always. If the "Schedule Recording" is selected, the system will do the NAS recording according to the "scheduling" in section 3.12. "Disable Recording" will disable this NAS recording.
2. When doing the NAS recording, the system will check the free disk space of the NAS device. If the free disk space is less than the specified number, the system will do "Circular recording" (overwrite the oldest recorded files of this *IP Camera* in the NAS device) or "Stop recording" as selected. If the "keep recorded video for xx days" is selected, the system will do circular recording and over write the recorded video files older than xx days ago.
3. The *IP Camera* can connect to the NAS device by using the "NAS name" or "NAS IP address". If the NAS device and the *IP Camera* are in the same local area network, the *IP Camera* can automatically locate and

connect to the NAS device by the "NAS name". If the NAS device uses a fixed IP address (either in the local area network or in the public internet), the *IP Camera* can connect to it by the "NAS IP address".

4. The "Shared folder name" is the folder in the NAS device that will record the video files of the *IP Camera*.
5. The "NAS access account" and "NAS access password" are the username and password to login into the specified "Shared folder name" of the NAS device.
6. NAS Scan – use this to scan for some specific NAS devices in the same network. Not all the NAS devices are supported for this scan function.
7. NAS Info – display the NAS storage capacity and available disk space.
8. Configure NAS (web) – click this to connect to the web configuration page of the NAS device. Need to key in the login username/password of the NAS device.
9. Access NAS files – on the Microsoft Windows platform, click this to access the files on the NAS devices.

In the Microsoft Windows environment, you can access to the NAS device by keying the URL address \\"NAS name"\"shared folder name" or \\"NAS IP address"\"shared folder name" in the windows Internet Explorer, and then key in the "NAS access account" and "NAS access password" to the prompted login window. The video files are recorded under the subfolder IPCamRecordFiles/Recording/ID-ID, where ID is the ID of this *IP Camera*. All the recorded files are with the name of hhmmss.crf format, where hh is the hour, mm is the minute, ss is the second of the starting time of the recording video. The files are segmented every five minutes. Users can use the free bundled *LivePlay software* to play back the video files.

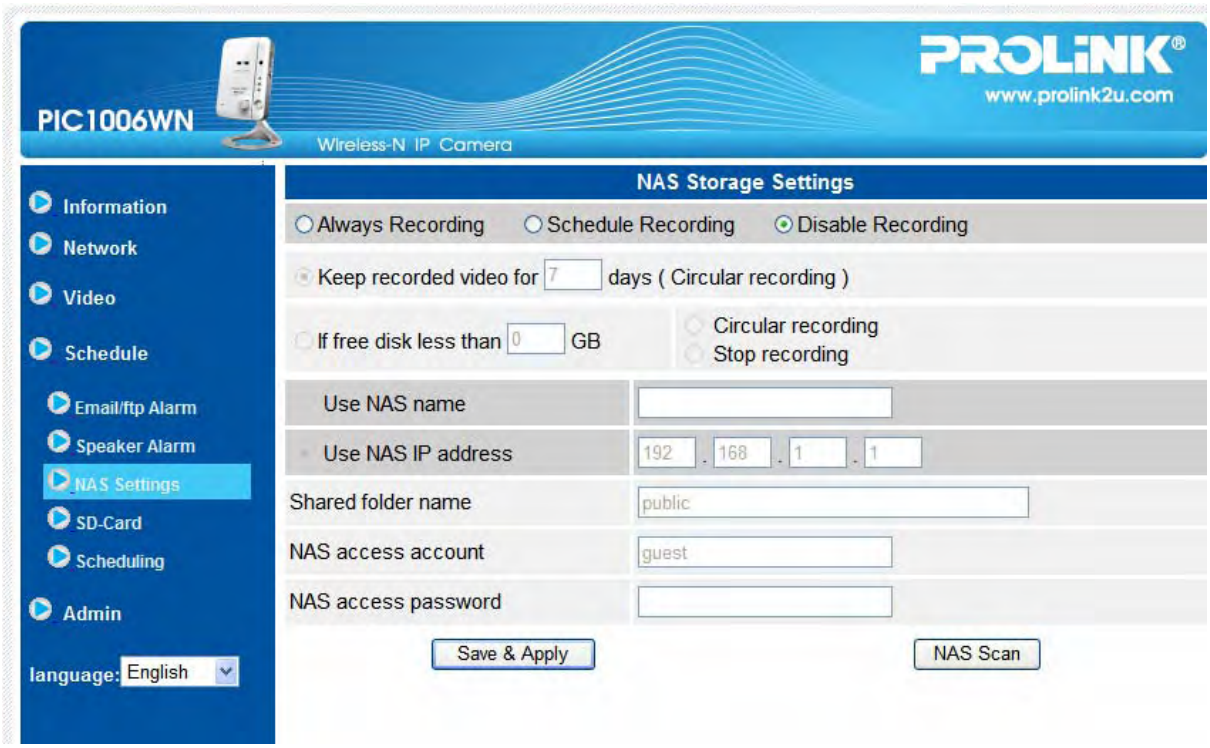


Figure 3-15: NAS Storage Settings page

3.12. SD-Card Settings

The *IP Camera* provides the recording of the video files into a standard Micro SD-Card. Since this recording is directly to the SD-Card, there is no network packets loss problem when recording to remote device through internet.

Notice

When the IP Camera is doing SD-Card recording, this is counted as one video user. Please refer to appendix B about allowed maximum video users.

1. If the "Always Recording" is selected, the system will start to record to the SD-Card immediately and keep recording always. If the "Schedule Recording" is selected, the system will do the SD-Card recording according to the "scheduling" in section 3.12. "Disable Recording" will disable this SD-Card recording.
2. When doing the SD-Card recording, the system will check the free disk space of the SD-Card. If the disk space is full (no free disk space), the system will do "Circular recording" (overwrite the oldest recorded files in the SD-Card) or "Stop recording" as selected.
3. SD-Card status – the SD-Card inserted or removed status is displayed here.
4. SD-Card files – as shown in fig.3-14, all the recorded video files with information including file name and recorded time are listed in this page under the directory of each date. The recorded file could be separately downloaded or deleted on this page.

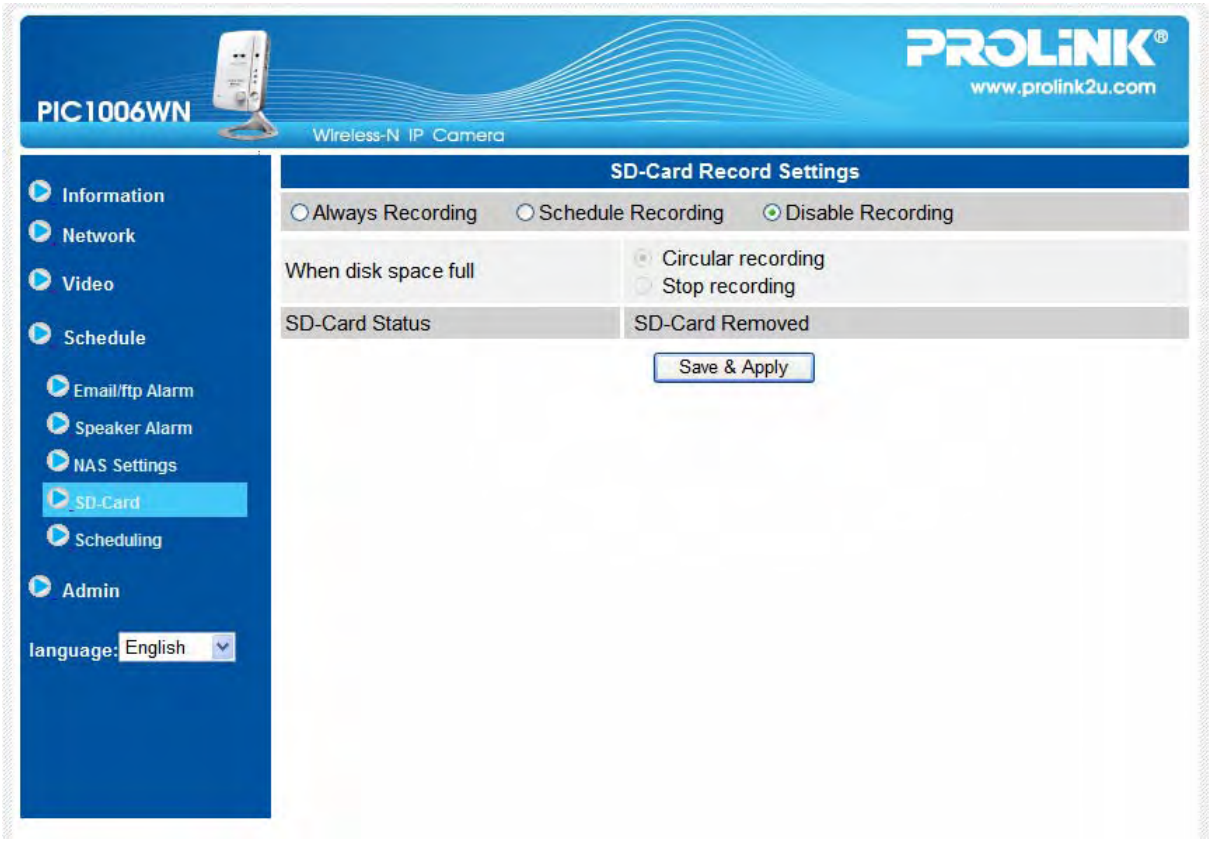


Figure 3-16: SD-Card Settings page

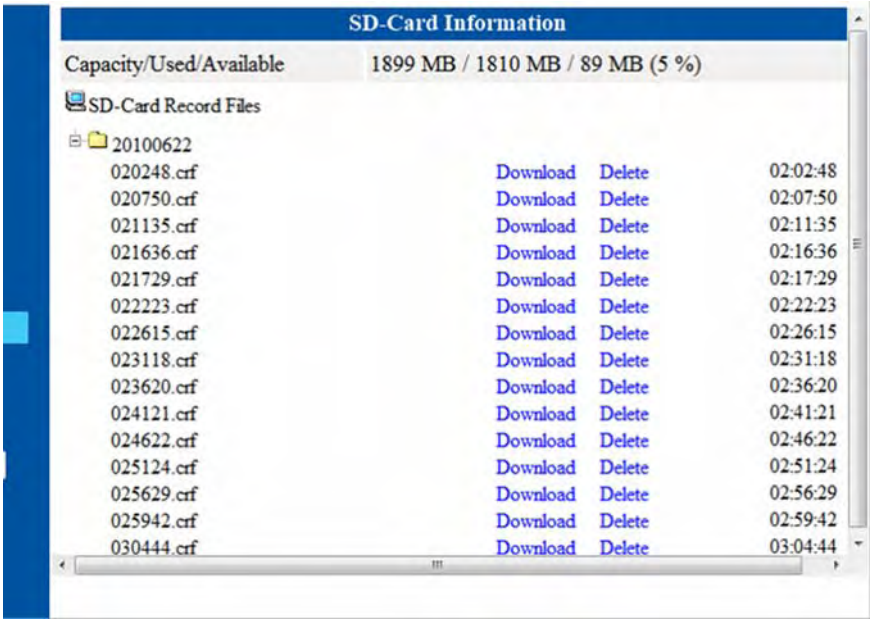


Figure 3-17: SD-Card information page

3.13. *Scheduling*

The *IP Camera* provides the scheduling function for the motion detection triggered email/ftp sending and/or the NAS recording with the individual parameters set in the . "Email/ftp alarm" settings and the "NAS settings" page. Totally 12 schedule list items are allowed. There is no conflict check for the scheduling, it means that the scheduling time could be overlapped, and the *IP Camera* will do all the scheduled events during the overlapped time period. For the scheduling of the Email/ftp sending and/or NAS recording, the "Schedule" option must enabled in the "Email/ftp alarm" settings and/or the "NAS settings".

1. Schedule list – all the scheduling are listed in this area. Each listed item can be modified or deleted by pressing the "Edit" or "Delete" button.
2. Email/ftp Alarm – for each scheduling, if this is selected and the "Motion triggered" and/or "D/I triggered" is enabled, the *IP Camera* will trigger the email/ftp sending in the scheduled time period when the video motion is detected and/or digital input alarm is detected.
3. D/O Alarm – for each scheduling, if this is selected and the "Motion triggered" and/or "D/I triggered" is enabled, the *IP Camera* will trigger the D/O alarm in the scheduled time period when the video motion is detected and/or digital input alarm is detected.
4. NAS Record – for each scheduling, if this is selected, either "Continuous" or "Motion triggered" or "D/I triggered" could be enabled. For "Continuous", it means that the *IP Camera* will do the video recording to the NAS device during the whole scheduled period. For "Motion triggered" and/or "D/I triggered", it means that the *IP Camera* will do the video recording to the NAS device for 30 seconds during the scheduled period each time when the video motion is detected and/or digital input alarm is detected.
5. SD-Card Record – for each scheduling, if this is selected, either "Continuous" or "Motion triggered" or "D/I triggered" could be enabled. For "Continuous", it means that the *IP Camera* will do the video recording to the SD-Card during the whole scheduled period. For "Motion triggered" and/or "D/I triggered", it means that the *IP Camera* will do the video recording to the SD-Card for 30 seconds during the scheduled period each time when the video motion is detected and/or digital input alarm is detected.
6. For the scheduling period, can choose between "Every week", "Every day" or "Fixed time" :
   a) For "Every week", can choose week days of the week and set the time duration of each day.
   b) For "Every day", can set the time duration of every day for the scheduling.
   c) For "Fixed time", can set the starting date/time and the end date/time of the scheduling period.

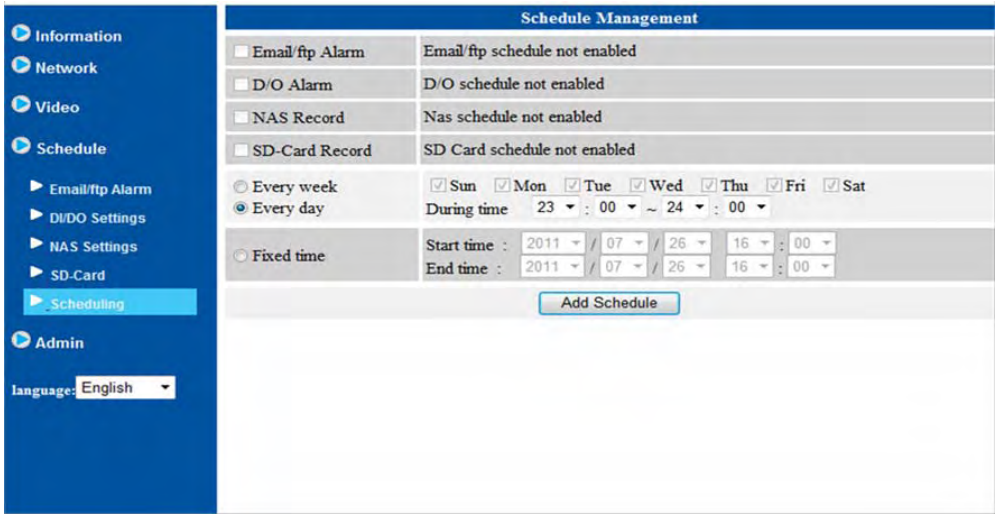
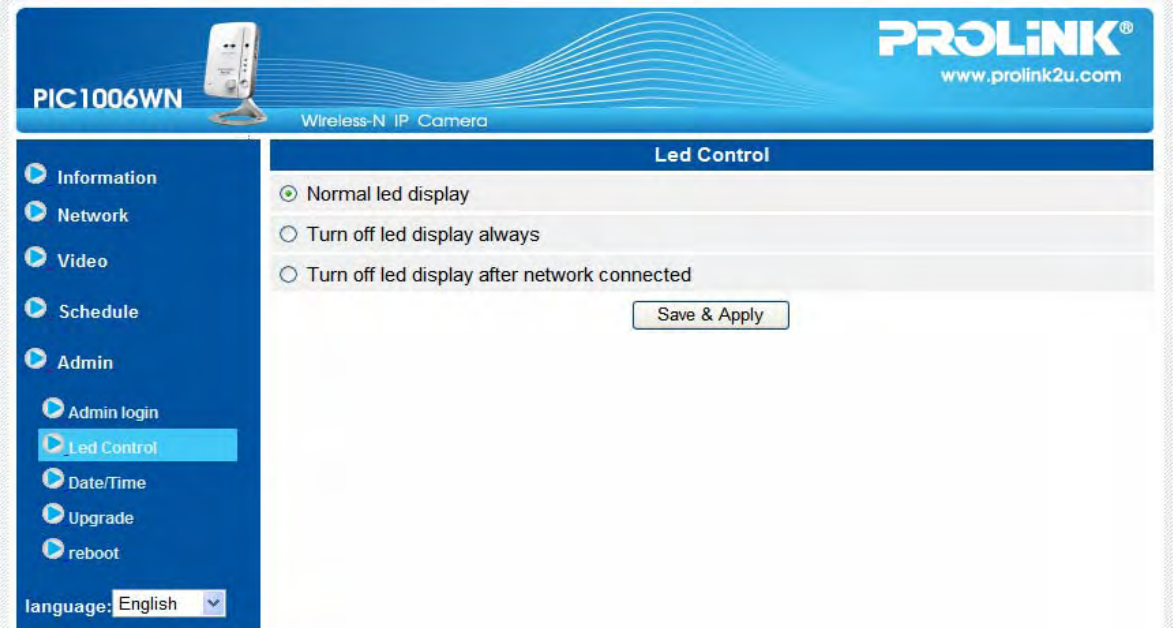


Figure 3-18: Schedule management page

3.14. *LED Control*

The IP CAM provides the Led Display Control function, you can enable or disable the led display/indication on the front panel of the IP cam device. The related settings are explained below:

1. 1. Normal led display – select this to enable the status led and Ethernet led display.
2. Turn off led display always – select this to disable the status led and Ethernet led display.
3. Turn off led display after network connected – select this then the led will display when the Internet connection has some problem, the led display will be off when the Internet connection is successful.



3.15. *Date/Time*

The *IP Camera* can synchronize the date/time with the universally available time server (for example stdtime.gov.tw) through NTP protocol. The date/time will then be corrected with the time server anytime when the Internet is connected.

Users can choose the different Time Zone of their areas to display the correct time. For some Time Zone areas, the "Daylight Saving Time" could be enabled or disabled. When the "Daylight Saving Time" is enabled, the start and stop time of the Daylight Saving Time could be edited.

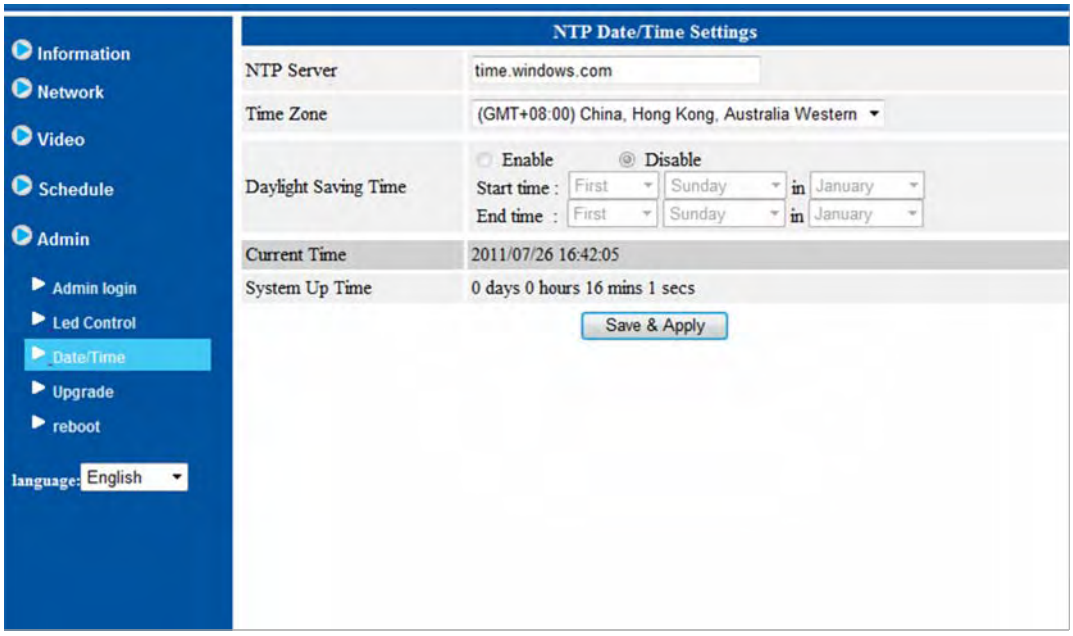


Figure 3-20: System date/time settings page

3.16. *Admin*

In this page, you can modify the web login account. With this account, you can login to the *IP Camera* and do any modifications. The default account is "admin" without password. If the login account is forgotten, you can reset the *IP Camera* to the factory default settings by following the steps in section 3.19 and login with the "admin" account.

Please be noticed that this account is different from the video play password in the "Video settings" page.

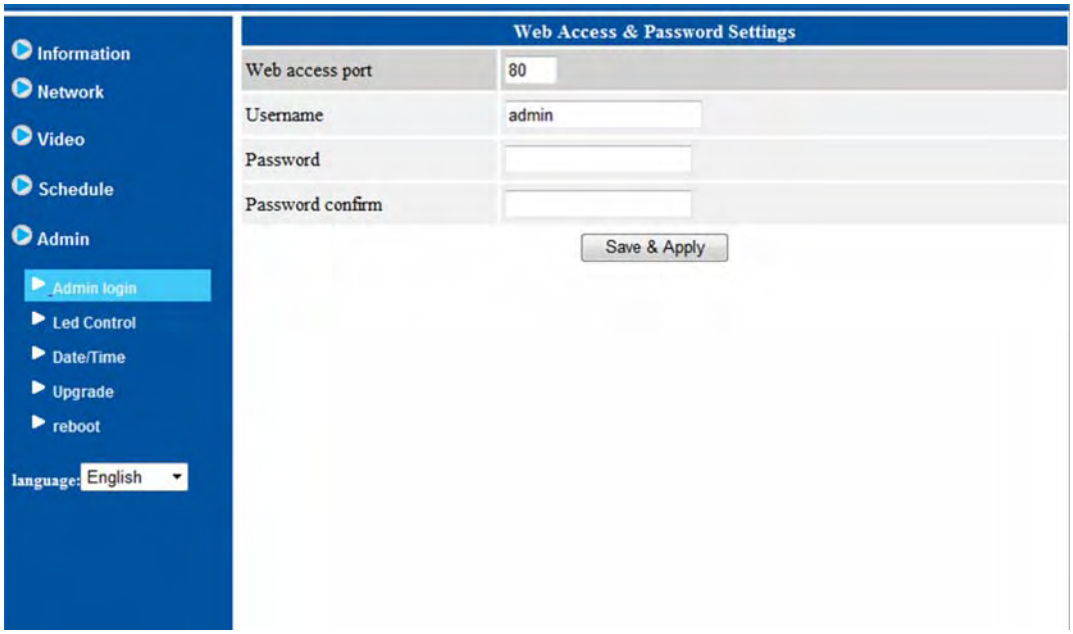


Figure 3-21: Admin settings page

3.17. Upgrade

If there is some new firmware available from the supplier of this *IP Camera*, you can upgrade the firmware on this page. Please ask for the correct information about FTP server, username/password account and firmware filename from your supplier, and then do this upgrade. A status message about the percentage done in the upgrade procedure is displayed. Please be noticed that during the upgrade procedure, do not power off the *IP Camera*, otherwise, the *IP Camera* could probably enter into the safe mode (section 3.18). After the upgrade procedure is finished, the system will restart automatically.

You can upgrade from the ftp server or from the local file in your computer.

During this upgrade procedure, do not try to modify other settings or view the video.

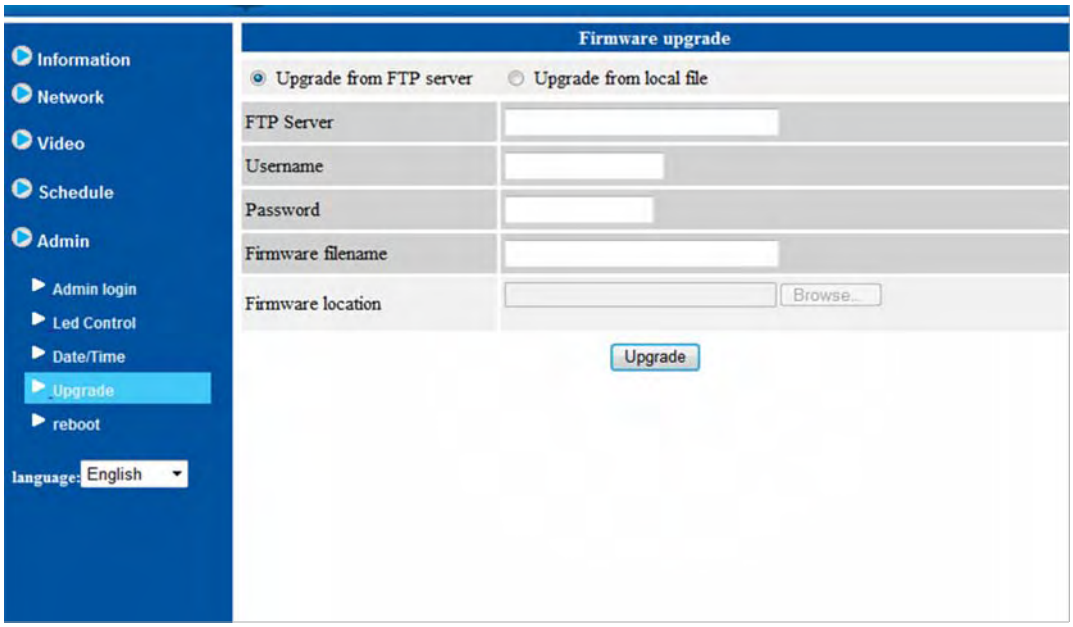


Figure 3-22: Firmware upgrade settings page

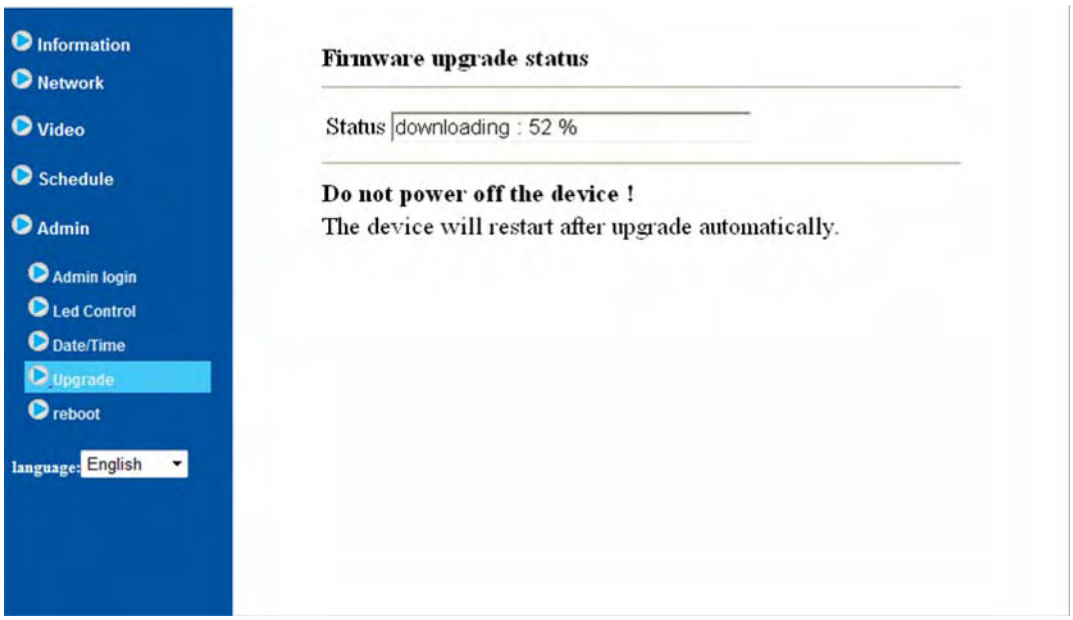


Figure 3-23: Firmware upgrade status page

3.18. Reboot

You can restart the *IP Camera* manually on this page. All the connected video viewing users will be disconnected.

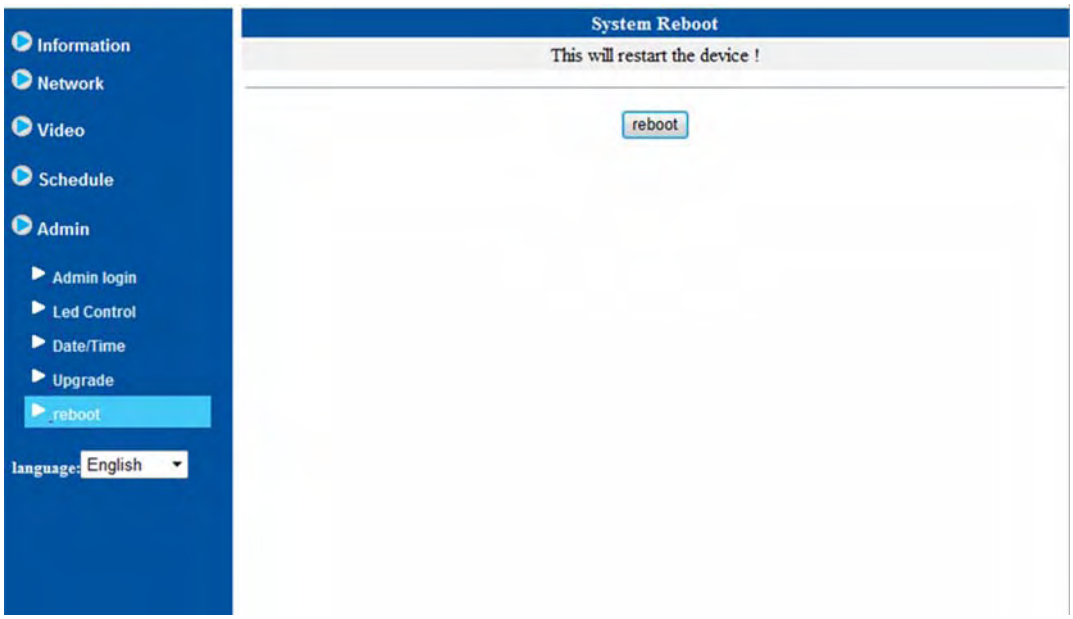


Figure 3-24: System reboot settings page

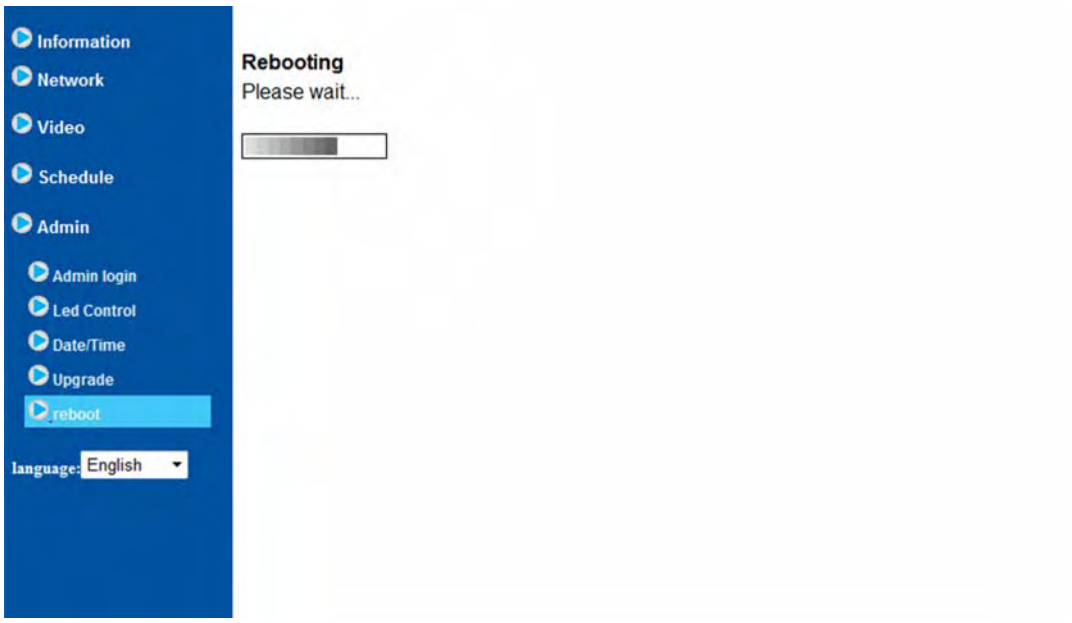


Figure 3-25: System reboot under-going page

3.19. Safe Mode

If by some abnormal operation, for example, powered off during the critical point of the upgrade procedure, the *IP Camera* will enter into the safe mode. In this mode, you will see the following "Safe mode" page when login into this *IP Camera*. Please do the upgrade operation immediately to recover the system. On this safe mode, the *IP Camera* cannot display the video on the *LiveView Software*, but you can still find this *IP Camera* on the "Auto search" list.

The steps to recover from "safe mode" are the followings:

1. Use LiveView to locate the *IP Camera* by clicking the "Auto Search" item on the *LiveView Software*.
2. Login into the web configuration page of the *IP Camera*.
3. Upgrade the firmware from the "Upgrade" page.

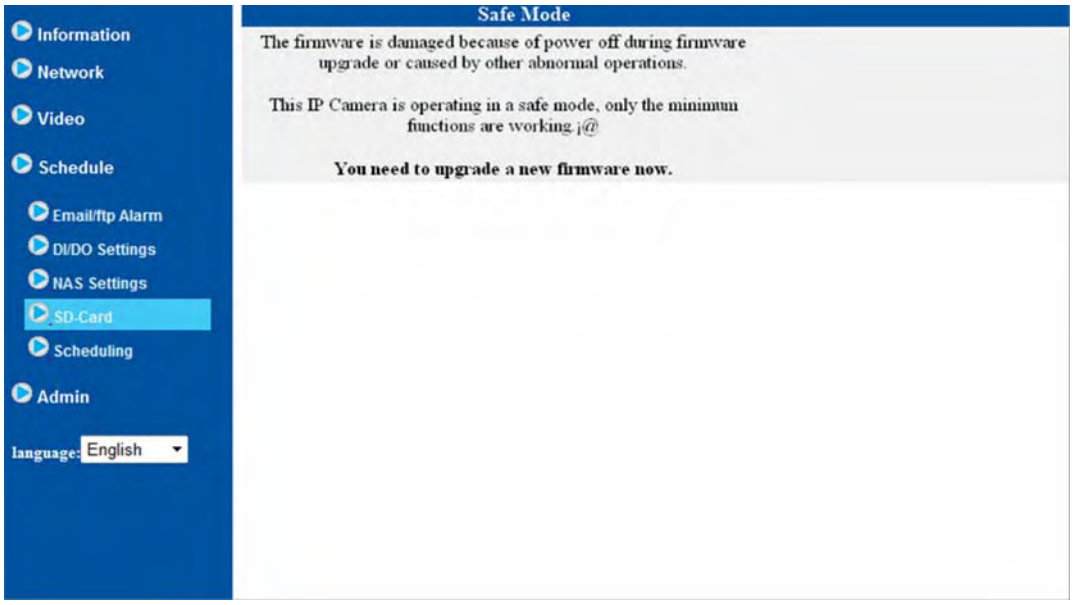


Figure 3-26: Safe mode information page

3.20. Set To Factory Default

For some reason, for example you forgot the web login password, you may want to set the *IP Camera* to the factory default settings. The only thing you need to do is using a stick to press the "reset" button on the back of the *IP Camera* body for more than 4 seconds and release it, do this when the *IP Camera* is powered on. The *IP Camera* will reset to the factory default settings and restart automatically.

The web login account will be "admin" (no password), the play-video password will be back to the original password after reset to factory default.

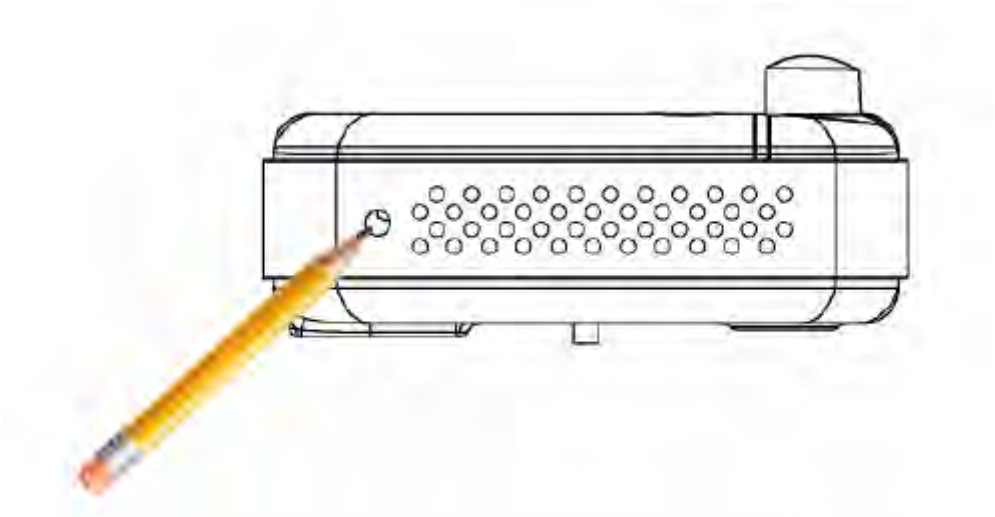


Figure 3-27: Stick on the reset button to set to the factory default

4. Features & Specifications

4.1. Features

- Easily access the camera from anywhere in the world via the ID/password (Through accompanied video management software, no complicated DNS settings needed)
- 802.11 b/g/n wireless with WEP and WPA/WPA2 security support
- IR led control – support automatic, manual and scheduled modes. But only can see black & white video when IR led is on.
- PIR body detection.
- Free video management software LiveView accompanied for easy access and multi-camera management.
- Connect up to 20 users simultaneously
- View the video anywhere in the Internet.
- View video from your Wireless or wired Ethernet network
- Motion Detection and E-mail/FTP notification
- Synchronize the system time through NTP protocol.
- Built-in Web server for managing via standard web browser.
- Built-in microphone for synchronized audio.
- Two way audio (external speaker is required).
- Supports H.264 video compression.
- Supports resolution of up to 640x480 pixels at 30 fps.
- Dual video streaming with separate frame rate/resolution/bandwidth settings for PC and mobile.
- Event scheduling.
- NAS storage access.
- Online Firmware upgrade will enter safe mode when power is off during critical firmware upgrade point.
- Watchdog function to prevent system failure.

4.2. Specifications

Item	Descriptions
Power	DC 12V, 1A
Processors	RISC CPU, hardware video processing and compression.
Network interface	Ethernet 10BaseT/100BaseTX, Auto-MDIX, RJ-45
Wireless interface	IEEE 802.11n 90 - 150 Mbps IEEE 802.11g 6 - 54 Mbps IEEE 802.11b 1 - 11 Mbps Transmit power: 14.5dBm typically @ 802.11g 17.5dBm typically @ 802.11b Receiver sensitivity: 54Mbps: Typical -73dBm @ 10% PER 11Mbps: Typical -86dBm @ 10% PER Antenna gain: 1.8 dBi
Image sensor	RGB VGA 1/4 inch CMOS Day and night separate sensors Automatic exposure control, automatic white balance, automatic gain control, automatic brightness control.
Light sensitivity	0.2 Lux (IR led off) 0 Lux (with 10 meters IR leds on) Automatically turn on the IR led in low light environment.
Lens	4.5 mm, F1.9, viewing angle: 55.6°, fixed iris. focus range: 30 cm to infinity Day & night separate lens
Buttons	One reset button to factory default settings One WPS button for automatic WiFi setup

Indicators	One LED for internet connection status indication One LED for Ethernet connection indication One LED for SD card recording indication
Video compression	H.264, baseline profile level 3.1
Video streaming	Separate frame rate/resolution/bandwidth settings for PC and mobile.
Video Settings	Resolution: VGA(640x480), QVGA(320x240), QQVGA(160x120) Bandwidth : 64k, 128k, 256k, 512k, 768k, 1M, 1.2M, 1.5M bps Frame rate : 1~5, 10, 15, 20, 25, 30 fps
Audio	Built-in microphone for audio monitoring Line out for external speaker Audio compression: G.711
Security	Web management username/password protection Video display ID/password protection WiFi WEP and WPA/WPA2 security mode
Installation, management and maintenance	Plug & Play by ID/password Video management software-LiveView for video access and multi-camera management Firmware upgrades via FTP
Web browsing	Built-in web server for standard web browser access Video display on IE browser Video snapshots on any browser
Supported protocols	IPv4, HTTP, TCP, ICMP, RTSP, RTP, UDP, RTCP, SMTP, SNTP, FTP, DHCP, ARP, DNS, PPPoE, etc.
Accessories (included)	Power adaptor, camera bracket, RJ45 Ethernet cable, quick installation guide, CD with installation software and User's Manual.
Video management software	Surveillance application for viewing and archiving up to 36 cameras
Users	Up to 20 simultaneous unicast users (depends on video settings)
Alarm and event management	Events triggered by PIR and sound detection Notification/upload of JPEG images over FTP and/or email Push notification on iPhone/iPad and Android devices
Dimensions (HxWxD) and weight	95 x 68 x 25 mm, 280 g, incl. camera bracket, excl. power adaptor
Approvals	EMC - CE, FCC Part 15 Subpart B Class B Wireless RF - CE, FCC Part 15 Subpart C Power supply: CE, FCC, UL, EN 60950
Operating conditions	0-50 °C Humidity 20 - 80% RH (non-condensing)

5. Package Contents

Figure 5-1: The *IP Camera* body

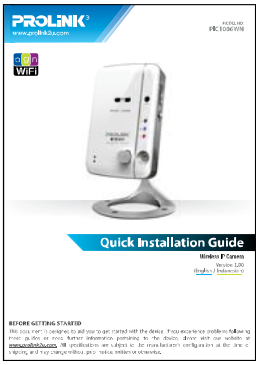


Figure 5-2: Quick Installation Guide

Figure 5-3: Setup CD

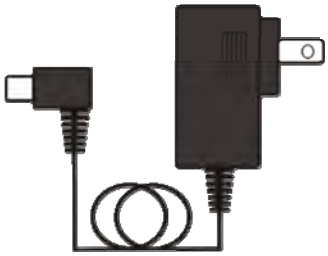


Figure 5-4: Power Adapter

Figure 5-5: Ethernet Cable

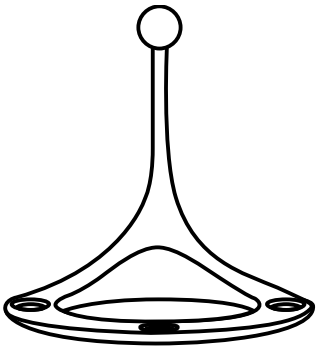


Figure 5-6: Camera Mounting Bracket

Figure 5-7: Cross-head Screwdriver

Figure 5-8: Anchors & Screws

Appendix A. List of Tested NAT/Router Devices

The followings are the list of tested NAT/router devices that can work with the *IP Camera* and *LiveView Software* when viewing in a remote location. You do not need to do any modification on the default settings of the NAT/routers. In some office environment, if some strict firewall function is enabled, it's possible that you cannot view the *IP Camera* video through the firewall router. In this situation, please contact your MIS person to solve the problem.

Brand Name	Model Name
PROLiNK	**WNR1004, WNR1008, WNR1009, WN1010, WNR1011, H5001N, H5004N, PWH2004**
Asus	WL-550gE
Belkin	P5D7230-4
Buffalo	WHR-G54S
Buffalo	WHR-HP-G54
Corega	CG-WLBARGO
D-Link	DI-524
LanTech	WL54G-BR
Linksys	WRT54G
Netgear	WNR834B
PCi	BLW-HPMM
SMC	SMCWBR14-G2
ZyXEL	P-334WH

Table A-1: List of tested Wireless AP/router devices

Brand Name	Model Name
AboCom	CAS5047
ASUS	RX3041
Buffalo	BBR-4HG
Corega	CG-BARSD
DLink	DI-604
Edimax	BR-6104K
LanTech	HR-114Pro
Lemel	LM-IS6500
PCi	BRL-04R
ZyXEL	Prestige-334

Table A-2: List of tested Wired NAT/router devices

Appendix B. Maximum Allowed Video Users

The maximum allowed video users for a single Pan/Tilt camera at the same time is dependent on the video settings including "Internet speed" and resolution. The followings are the summary of the maximum allowed video users:

1. When audio is disabled.

For video resolution of 160x120 pixels

Frame rate\bandwidth	64k ~ 512k	1M ~ 1.5M
5fps ~ 30 fps	20	4

For video resolution of 320x240 pixels

Frame rate\bandwidth	64k ~ 256k	512k	768k	1M ~ 1.5M
5fps ~ 30 fps	20	18	9	4

For video resolution of 640x480 pixels

Frame rate\bandwidth	512k	768k	1M ~ 1.5M
5fps ~ 30 fps	8	6	4

2. When audio is enabled.

For video resolution of 160x120 pixels

Frame rate\bandwidth	64k ~ 256k	512k	1M ~ 1.5M
5fps ~ 30 fps	20	14	4

For video resolution of 320x240 pixels

Frame rate\bandwidth	64k ~ 256k	512k	768k	1M ~ 1.5M
5fps ~ 30 fps	20	12	8	4

For video resolution of 640x480 pixels

Frame rate\bandwidth	512k	768k ~ 1.2M	1.5M
5fps ~ 30 fps	6	4	3

Appendix C. Performance Information

1. Video Performance Information

The video quality is dependent on the video parameter settings and the network quality. If you want to have a better video quality, you will usually set higher resolution and higher frame rate. This is fine when you are viewing the video locally in the same network. But when you want to see the video remotely through the Internet, you need to know the Internet speed (bandwidth) connected to your home network. If the "Internet speed" setting of your *IP Camera* is very large, but your real Internet speed (bandwidth) is relatively low, the video quality could be very bad. In some worst case, the video display could be disconnected. In order to have the best video quality, you better have broadband service from your ISP and set the "Internet speed" of the *IP Camera* a little lower than the real Internet speed provided by your ISP.

Also need to notice that when multiple users are displaying the videos from the same *IP Camera* at the same time, the video bandwidth times number of users will be needed for the Internet speed.

2. WiFi Performance Information

The WiFi performance is dependent on the distance between the *IP Camera* and the AP (Access Point) / router and dependent on the number of devices connected to the AP/router. Also need to consider that if there are any barriers like wall or floor between the *IP Camera* and the AP/router. IF there are some open space between the *IP Camera* and the AP/router, you also need to know that the performance will be interfered in rainy day. The antenna gain and it's direction in the AP/router will also affect the WiFi performance. In general case, when the *IP Camera* is set to the default video setting (256k bps) and there are no other interferences between the *IP Camera* and the AP/router, the working straight distance is about 100 meters between *IP Camera* and the AP/router.

Appendix D. Troubleshooting

1. What is going on when the red led light on the IP Camera is blinking / flashing?
   When the IP Camera is connected to the Internet and working correctly, the red led light will be on constantly. If the red led light is blinking / flashing, it's probably because there is some network connecting problem. Please check the network connection again and follow the instructions on the user manual to set it up again.

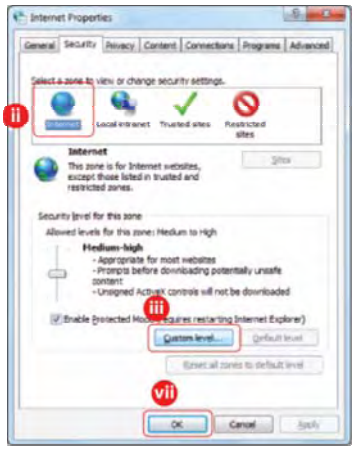
2. How many numbers of users can access to my IP Camera?
   The PIC1006WN can allow up to 20 users login simultaneously

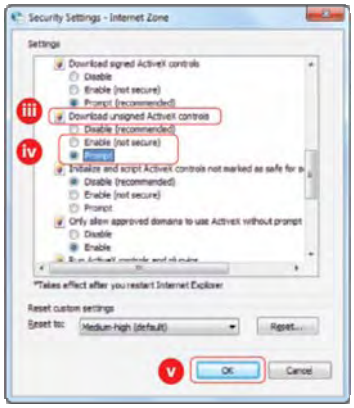
3. What is the video compression format for my IP Camera?
   The video is compressed using the MPEG4 compression technology, which is a very high efficient compression standard. Therefore, the video quality should be good if you are using Internet connection with more than 256k upload bandwidth for IP Camera.

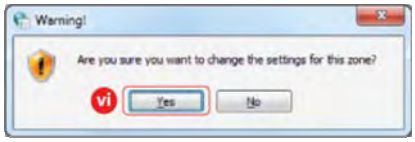
4. What is the viewing angle of the pan and tile control?
   PIC1006WN does not designed with Pan and Tile control; please refer to model PIC1003WP which is designed with Pan and Tile control. The viewing angle of the IP Camera is about 60 degrees.

5. If I have more than 1 IP Camera, where can I multi view all the camera video at the same time.
   Please use LiveView program to do multi-viewing. LiveView can support up to 36 display windows.

6. Can I view the IP Camera image from other web browser like Firefox or Safari?
   ActiveX is a Microsoft technology that is used to add functionality to Windows programs. It is only available on Microsoft Internet Explorer (IE) web browser. Below is guide to setup ActiveX for IE.
   i. Click to Control Panel > Internet Options, Internet Properties will be prompted.
   ii. Select Security tab
   iii. Click on Custom Level button, Security Settings - Internet Zone will be prompted.
   iv. Scroll the list of settings to Download unsigned ActiveX controls and click either Prompt or Enable.
   v. Click OK button on the Security Settings - Internet Zone window,
   vi. A warning message will be prompted, click Yes to confirm.
   vii. Click OK button on the Internet Properties to confirm all settings and Internet Properties window will be closed automatically.







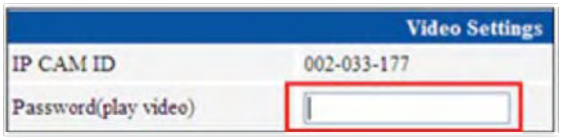
7. Can I use LiveView in Macintosh OS X or other operating system without ActiveX?
   As most IP surveillance devices are using ActiveX control for seeing live video, if you would like to use Plug & Play IP video system on Mac OS, you will need to install software to emulate Microsoft Windows OS like Parallels Desktop for Mac. Once you'd installed the Windows Emulator, you'll be able to run LiveView on Mac OS without any problem.

8. Can I adjust the effective focus of the IP Camera?
   The focus of the IP Camera is pre-adjusted and fixed during production; you cannot adjust the effective focus of the IP Camera.

9. What should I do if my IP Camera password is forgotten?
   The easiest way to solve this problem is to reset the IP Camera to the factory default. Please use a pointed object to hold the reset button on the bottom for 5-10 seconds to reset to factory default setting. The default password to view the camera video will be back to the original password

10. How can I access the IP Camera web configuration page?
    Open the LiveView software > Under Auto search > Right click the camera ID and click Web configure

11. How can I change my IP Camera video-play password?
    Go to the web configuration page of the camera > Login Credential > Video > Video Settings > Password (play video): type in your new password here > Save & Apply



12. What should I do if I cannot hear any audio sound from the IP Camera?
    Go to the web configuration page of the camera > Login Credential > Video > Video Settings > Make sure Enable audio microphone is selected > Save & Apply

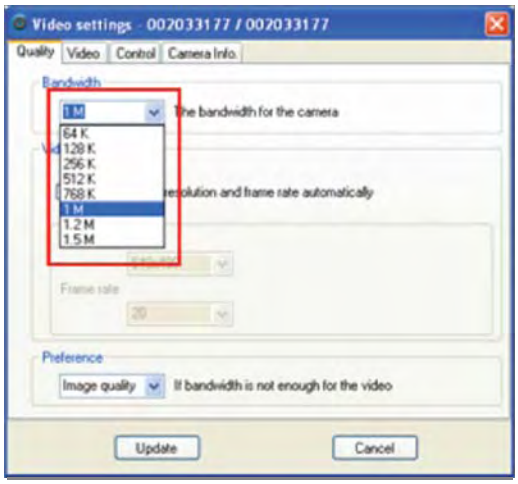
13. How could I know if I need to install the Microsoft .NET Framework?
    Since LiveView program is developed based on Microsoft .NET Framework 2.0, it is a must to install .NET 2.0 or later. However, if you're using Windows XP SP3 Professional, Windows Vista and Windows7, it's not needed to install .NET framework.

14. How can I do a turn the camera lens 180° if I want to hang the camera on the ceiling wall?
    Go to the web configuration page of the camera > Login Credential > Video > Video Flip > Select Video Flip > Save & Apply

    I can see the video in a remote place, but the video quality is not good and sometimes the video will disconnect and reconnect again by itself.
    This is probably due to the internet bandwidth (internet speed) is not big enough. You can decrease the bandwidth settings of the IP Camera.

    From LiveView > Under Camera List > Right click and select Video Settings > Quality > Bandwidth > Choose the bandwidth you want to set > Update

15. Does the IP Cam provide the recording function?
    You can do the recording of the video/audio of the IP Cam from the LiveView Software with the LiveView Software version later than the version number v1.1. Another software LivePlay is needed to play the recorded video/audio files.

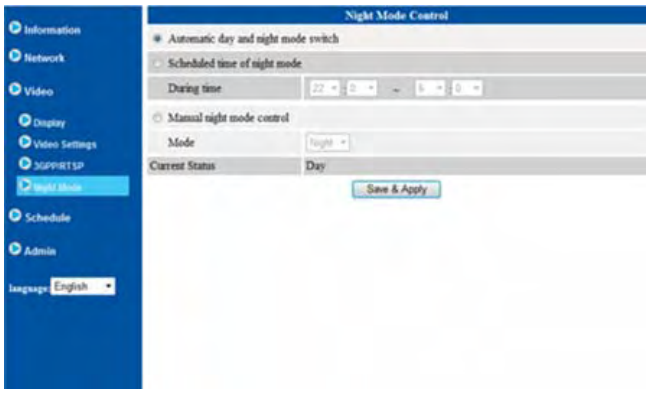


16. What is the recommended hard disk capacity I should prepare for the video recording?
    Unit : Giga Bytes/day
    Either recording to LiveView, NAS or Micro-SD card
    The storage size is independent of video resolution, bandwidth and frame rate

Bandwidth Media	Video (Per day)	Audio + Video
64k	0.7GB	1.38GB
128k	1.3GB	2.07GB
256k	2.7GB	3.45GB
512k	5.5GB	6.22GB
768k	8.3GB	8.98GB
1M	11GB	11.7GB
1.2M	13.2GB	13.9GB
1.5M	16.5GB	17.2GB

17. Does the PIC1006WN IP Camera come with night vision?

Yes, PIC1006WP is designed with Night Vision (or Night Mode). Please go to Web Configuration > Video > Night Mode to configure.

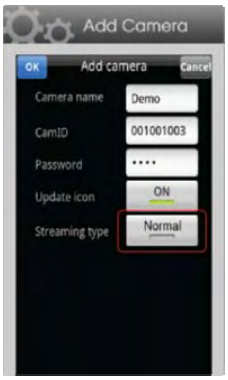


18. I can't hear any audio from my mLiveView apps on my phone.

Please go to Edit CamID/Password and set the Streaming type from Mobile to Normal.

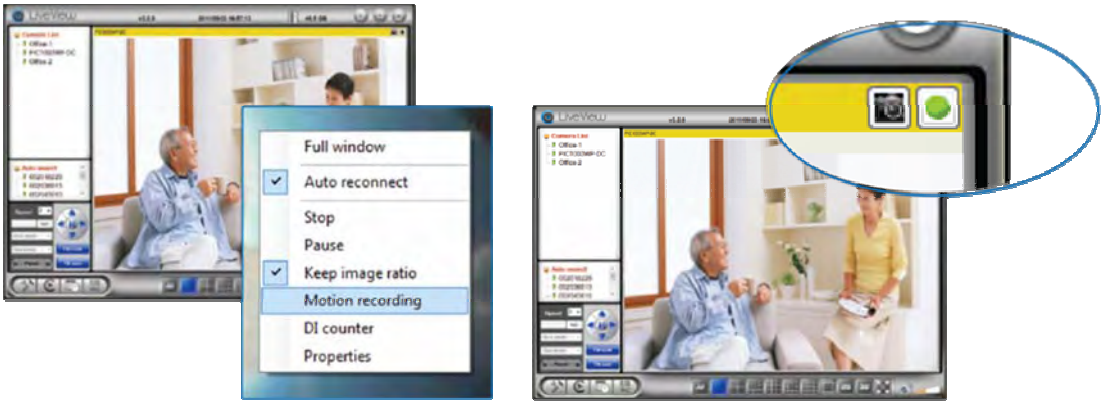
For Apple iOS Devices:

For Android OS Devices:



19. How to do Motion Recording in LiveView?

Right click camera image > tick Motion Recording



Motion Recording Status:

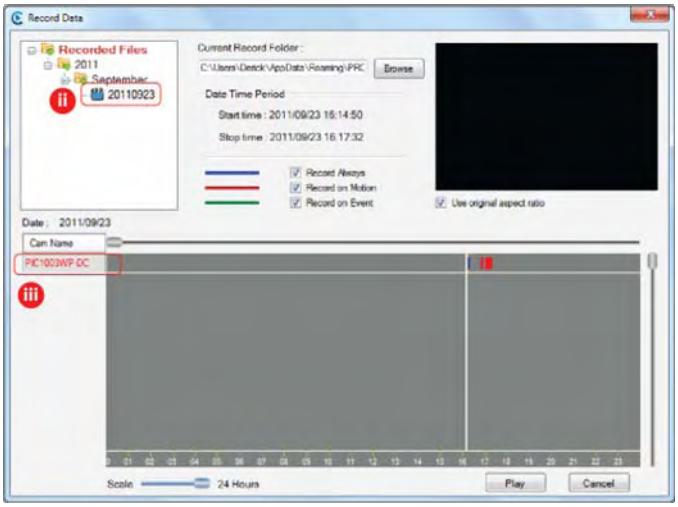
- Green: Standby mode
- Yellow: Motion detected and Recording in progress.

20. How to view or playback the recorded clips?

i. Execute LivePlay from Start > All Programs > PROLiNK(R) > IP Camera > LivePlay

ii. Click Open Record, the record data windows will be prompted and all recorded clips are listed on the Recorded Files section follow by date (YYYYMMDD) of the recording sessions. Select a date.

iii. Select Cam Name available on the left side (below the Recorded Files) and the video clips will be playing automatically.



Note:

a) All recorded video clips on the same day will be combined into one video clip playable by the LivePlay player.

b) User can playback the recorded video clips through third-party video player, eg: VLC Player (visit official website http://www.videolan.org/vlc), and:

i. Open the video clips saved folder.

ii. Right click the video clips (file type as .crf format)

iii. Choose Open with option, then select to VLC media player.

21. When the recorded video is playback from my NAS storage, the top half of the video image will be running, but the bottom half will be blurred out. Why is this so?

This video distortion is due to the CPU/RAM overload for the NAS device as it took a lot of CPU resources for the NAS to write-in the video data from the many different IP Camera recording to the same NAS device.

Solution:

a) Decrease the number of IP Camera for NAS recording simultaneously (recommends not more than 3 camera at the same time)

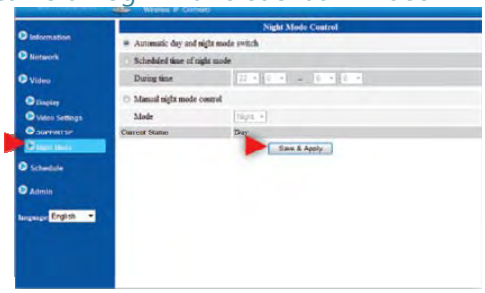
b) Lower the video quality and bandwidth to make the video data smaller in order to reduce CPU load for the NAS.

22. How to configure with Night Mode?

There are two way in configure the IP Camera with Night Mode:

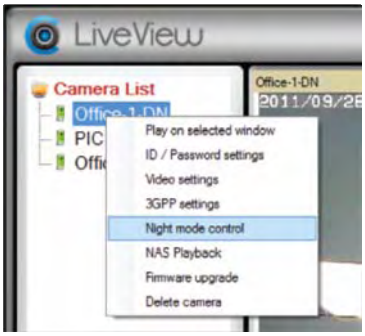
Method 1 : Via Web Configuration

Open IE and locate to the IP Address of the IP Camera>login with credential> Video> Night Mode



Method 2 : Via LiveView

From the Camera List, right-click any IP Camera> tick Night mode control



Choose either one of the following options:

a) Automatic day and night mode switch

The IP Camera will automatically turn on the IR LEDs when the night time is arrived or the environment is becoming dark. There is a light sensor on the IP Camera that is doing this light detection.

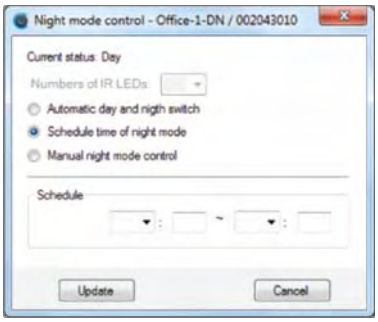
b) Scheduled time of night mode

The IP Camera can also be scheduled to turn on the IR LEDs in a time range of each day.

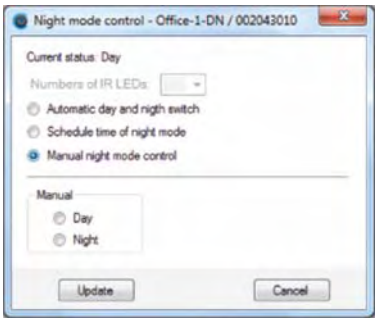
c) Manual night mode control

The IP Camera can be manually forced to night mode (IR LEDs on) or day mode (IR LEDs off).

Automatic day and night mode switch



Scheduled time of night mode



Manual night mode control

23. When the IP Cam is connected to the network through wireless connection, the video quality is not good, how could I fix this problem?

When the IP Cam is connected using wireless network and the video quality is not good, it's probably because the distance of the IP Cam is too far away from the wireless AP(Access Point) or WiFi router, or there are too many devices connected to the AP, or maybe because the WiFi antenna is not in the best position. Please try to figure out which one is the cause of the problem and you can then fix this problem.

24. What's the longest distance using the IP Cam to see the video?

When using the IP Cam to see a long-distance object, whether it's clear or not depends on the size of the object. Usually when your eyes can see something clearly in that distance, the IP Cam can also see that object clearly in about the same distance.

25. The video seems a little dark when the IP Cam is used inside the house, how could I improve this?
    You can increase the “Low light sensitivity” in the “video settings” page either through web configuration or through LiveView settings to “High” or “Very high”. This will tremendously improve the video quality in dark environment. Another model of our IP Cam products PIC1006WN with IR led inside could help on some of the very tough environment even in wholly darkness. But please be noticed that when the IR led is turned on in the dark room, the video will be black and white only.

26. Can I connect the IP Camera directly to my PC/notebook with an Ethernet cable?
    If the IP Camera is directly connected to your PC/notebook computer using an Ethernet cable, the IP Camera will automatically use an IP address called “auto IP” with IP address 169.254.xxx.xxx. If your PC/notebook computer is configured to DHCP, it will also use an “auto IP” address. But this will take about one minute after the IP Camera is connected to the computer and you need to make sure that the WiFi interface on your PC/notebook computer is disabled. After about one minute, you can run the LiveView Software to access the IP Camera; the CAM ID should be displayed on the “auto-search” list. You can then see the video by double clicking the CAM ID icon. But you need to know that in this situation, other local or remote computer cannot see the video.

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